

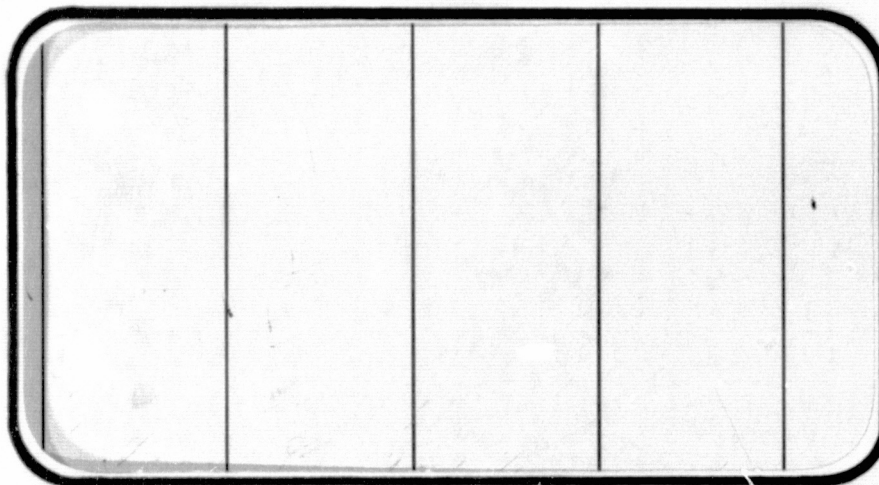
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CR-147643) MATED AERODYNAMIC
CHARACTERISTICS INVESTIGATION FOR THE 0.04
SCALE MODEL TE 1065 (BOEING 747-100) OF THE
747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF
THE SPACE SHUTTLE ORBITER IN THE (Chrysler

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services

SPACE DIVISION



CHRYSLER
CORPORATION

October 1976

DMS-DR-2290✓
NASA CR-147,643

VOLUME 3

MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION
FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100)
OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF
THE SPACE SHUTTLE ORBITER IN THE NASA LANGLEY
V/STOL TRANSITION RESEARCH WIND TUNNEL (CA8)

by

747 Aerodynamics, 747 Flight Controls
and Wind Tunnel Test Staff
The Boeing Co.

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: LaRC V/STOL 129
NASA Series Number: CA8
Model Number: TE 1065 (Boeing 747-100), 43-0 (ORBITER)
Test Dates: August 19 through September 11, 1975
Occupancy Hours: 268

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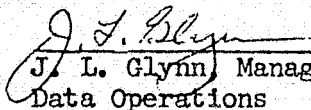
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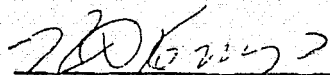
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MATED AERODYNAMIC CHARACTERISTICS INVESTIGATION
FOR THE 0.04 SCALE MODEL TE 1065 (BOEING 747-100)
OF THE 747 CAM AND THE 0.0405 SCALE MODEL (43-0) OF
THE SPACE SHUTTLE ORBITER IN THE NASA LANGLEY
V/STOL TRANSITION RESEARCH WIND TUNNEL (CA8)

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747 Aerodynamics, 747 Flight Controls
and Wind Tunnel Test Staff
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ABSTRACT

This report contains data obtained in the NASA Langley V/STOL Transition Research Wind Tunnel on a 0.04 scale model of the 747 with a 0.0405 scale Orbiter Space Shuttle. The investigation included the effects of flap setting, stabilizer angle, elevator angle, ground proximity, and Orbiter tailcone fairing. Data were obtained in the pitch plane only. The test was run at $M = 0.15$, with a dynamic pressure of 35 psf.

Six static pressures were measured on each side of the 747 CAM nose to determine the effects of the Orbiter on the 747 airspeed and altitude indicators.

This report consists of 3 volumes of force data. They are arranged in the following manner.

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294	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 6, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	988-990
295	ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 20, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	991-993
296	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	994-996
297	ALT CONFIG IN GROUND PROXIMITY, HORIZ OFF, FLAPS 30, IORB = 8, TC ON ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	997-999
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304	ALT CONFIG IN GROUND PROXIMITY, STAB = 2, FLAPS 10, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1018-1020
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310	ALT CONFIG IN GROUND PROXIMITY, STAB = -2, FLAPS 30, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1036-1038
311	ALT CONFIG IN GROUND PROXIMITY, STAB = 0, ELEVTR = -23, IORB = 8, TC OFF ORBITER BALANCE DATA-GP SWEEPS	ALPHAW	C	1039-1041

PLOTTED COEFFICIENTS SCHEDULE:

- C_L versus α_W , α_W versus C_m , C_L versus C_m , C_L versus C_D
- CP14, CP25, CP36 versus α_W
- C_L , C_D , C_m versus GROUND PLANE
- ΔC_L versus α_W , α_W versus ΔC_m , ΔC_L versus ΔC_m , ΔC_L versus ΔC_D
- ΔC_L , ΔC_D , ΔC_m versus GROUND PLANE
- C_L versus α_0 , α_0 versus C_m , C_L versus C_m , C_L versus C_D

NOMENCLATURE General

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE
(Continued)

Orbiter Stability-Axis System

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_{L_o}	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_{D_o}	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{Y_o}	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_{D_o} - C_{D_b}$
C_{m_o}	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_{n_o}	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_{l_o}	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE
(Continued)

747 Stability-Axis System

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>DEFINITION</u>
C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE
(Additions to Standard List)

<u>PLÓT SYMBOL</u>	<u>MNEMONIC</u>	<u>Definition</u>
BSTA		Carrier Fuselage station, in.
BWL		Carrier water line, in.
FS		Fuselage station, in.
GP	GP	Ground Height - Distance between $\frac{1}{4}$ MAC 747 CAM and the Ground Plane
H/B		Ground Height (GP) divided by 747 CAM wing span
i_{orb}	IORB	Orbiter incidence angle, degrees
MS		Model station, in.
S_1		Spoiler No. 1 deflection angle, deg.
S_{1-j}		Spoiler No. 1 through j deflection angle, deg.
WL		Waterline, in.
X_c	XC	Carrier longitudinal station, in.
X_o	XO	Orbiter longitudinal station, in.
Y_c	YC	Carrier lateral station, in.
Y_o	YO	Orbiter lateral station, in.
Z_c	ZC	Carrier vertical station, in.
Z_o	ZO	Orbiter vertical station, in.
α_c	ALPHAC	Carrier fuselage angle of attack, deg.
α_o	ALPHAO	Orbiter angle of attack, $\alpha_\phi = i_{ORB} - 2^\circ + \alpha_W$ Δi_{ORB} , deg.
α_W	ALPHAW	Carrier wing angle of attack, $\alpha_W = \alpha_c + 2^\circ$, deg.
β_c	BETAC	Carrier sideslip angle, deg.
β_o	BETAO	Orbiter sideslip angle, deg.
Δi_{ORB}	DIORB	Change in Orbiter incidence due to sup- port strut/balance deflections, deg.
δ_{EI}	EIW-IB	Carrier inboard elevator deflection, deg.
δ_{EO}	EIW-OB	Carrier outboard elevator deflection, deg.

NOMENCLATURE
(Additions to Standard List - Concluded)

<u>PLOT SYMBOL</u>	<u>MNEMONIC</u>	<u>Definition</u>
δ_E	ELEVON	Orbiter elevon deflection angle, deg.
δ_{BF}	BDFLAP	Orbiter body flap deflection angle, deg.
δ_{RL}	RUD-L	Carrier lower rudder panel deflection angle, deg.
δ_{RU}	RUD-U	Carrier upper rudder panel deflection angle, deg.
δ_R	RUDDER	Orbiter rudder deflection angle, deg.
δ_{SP}	SPOIL	Carrier spoiler deflection angle, deg.
δ_{WDP}	STAB	Carrier horizontal stabilizer deflection angle, with respect to wing, deg.
C_{p14}	CP14	Average of base pressures CP1 and CP4
C_{p25}	CP25	Average of base pressures CP2 and CP5
C_{p36}	CP36	Average of base pressures CP3 and CP6
	ELEVTR	Carrier elevator deflection angle, deg.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

CONFIGURATIONS INVESTIGATED

The models tested included the 0.04 scale model of the basic 747 and the 0.0405 scale model Orbiter mounted to the 747 CAM in the ferry and four ALT configurations (Reference 2). The 747 CAM was not tested and only the ferry and ALT configurations were tested in ground proximity.

The 747 model represented the 747-100 (NASA N905NA) aircraft as closely as possible using existing model parts. The 747 model (AX12841-6) was mounted on the Boeing 635 balance which in turn was mounted to the Boeing 506 swept strut/sting mount. The Orbiter model was mounted to the Boeing 6176 balance which was mounted rigidly to the 747 model by one forward and two aft support struts (Figures 2g and 2h). Model installation photographs are shown in Figures 3a through 3g.

The 747 swept strut/sting is shown schematically in Figure 2i. The strut was located under the 747 for free air testing, from the top of the aft body of the 747 for free air testing, from the top of the aft body of the 747 for ground effects testing and from the top of the fuselage (same body station as belly strut mount) for tunnel upflow evaluations. The model was located approximately on the tunnel centerline for free air testing. For ground proximity effects testing, the model was located at approximately 4, 10, 30, 60, 95, and 135 feet (full scale) measured from the bottom of the aft wing wheels to the tunnel floor. This series of ground height tests was an expansion of the initial plan which required one ground height. Testing procedures required this type of run series to obtain data at minimum ground height for varying angles of attack.

CONFIGURATIONS INVESTIGATED (Concluded)

Trip strips were located on the orbiter and carrier models as shown in Figures 2j and 2k to insure a controlled turbulent boundary layer.

The carrier horizontal stabilizer angle was set by an electric motor installed in the carrier tail which was remotely controlled. A detailed description of all model parts is contained in Table III.

The basic configuration changes were orbiter on and off, orbiter incidence angles of 3° , 6° and 8° ; carrier flap settings of up, 10, 20 and 30; landing gear on and off; orbiter tailcone on and off; carrier stabilizer settings of $+2^\circ$ to -6° ; orbiter elevon settings of 0 and -5° ; carrier elevator angles of $17^\circ/17^\circ$, $10^\circ/10^\circ$, $1^\circ/1^\circ$, $-10^\circ/-10^\circ$, $-23^\circ/-23^\circ$; and the models in free air and ground proximity. A typical ground proximity test was conducted by setting the carrier angle of attack, lowering the model to close proximity to the tunnel floor and then raising the model to various heights above the floor (4 through 135 feet full scale).

The configurations tested are summarized below:

747 Alone

747/Orbiter - Ferry Configuration ($i_o = 3^\circ$)

747/Orbiter - ALT Configurations ($i_o = 6^\circ$, and 8° , T/C On and off)

747 Tested upright and inverted for tunnel upflow evaluation.

The model was mounted on a swept blade sting from below for free air testing and from a vertical tail location for ground proximity effect as shown in Figure 2i.

INSTRUMENTATION

Six component balances were used to measure 747 carrier and orbiter forces and moments. The 747 carrier was mounted on the Boeing 635 balance. The orbiter was mounted to the Boeing 6176 balance.

Six static pressure taps were located on the 747 fore-body (3 on each side) as shown in figure 28 to measure the orbiter effects on the air data system and sideslip angle indicator.

Three-quarter inch long yarn tufts were located on the 747 upper wing surface for some runs to allow observation of stall progression. The tufts were located approximately 1" apart both spanwise and chordwise. Two rows were parallel to the wing leading edge; the first row about 1/4" aft of the leading edge and the next row about 1" aft. Two spanwise rows were placed parallel to the wing trailing edge, the first row was near the trailing edge and the other row was 1 inch forward of the trailing edge. An additional row of tufts was put between the two forward and two aft rows and split the distance between them from the root to about half way out from the wing root. Two rows of tufts were located on the inboard flaps one row on the inboard aileron and one row on the outboard flaps. Two runs were conducted with the tufts. Photographs of flow patterns shown during these runs can be obtained from the aerodynamics analysis engineers.

TEST FACILITY DESCRIPTION

The Langley V/STOL facility is a closed circuit, single return, continuous flow, atmospheric type wind tunnel, which can be operated as a closed tunnel with slotted walls or as one or more open configurations by removing the side walls and ceiling. The speed in the 14.5 foot high by 21.75 foot wide by 50 foot long test section is variable from 0 to 200 knots. This tunnel has a contraction ratio of 9 to 12 and is powered by an 8000 hp. main drive.

This tunnel is capable of force, moment and pressure studies. A moving belt ground board with boundary layer suction and variable speed capabilities for operation at test section flow velocities can be installed for ground effects tests. A universal model support system utilizes a three joint rotary sting with $\pm 45^\circ$ of pitch, $\pm 45^\circ$ of yaw and 6 feet of vertical traverse. This system is mounted on a horizontal turntable with $\pm 165^\circ$ of rotation. Models can be powered with either high pressure air (15 lb/sec at 5,000 psia) or variable frequency electric systems. Data are recorded with 60 channels and reduced off site.

DATA REDUCTION

All aerodynamic forces and moments acting on the combined 747 and Orbiter, were reduced to stability axis coefficients using carrier reference dimensions and reference moment center (Figure 2f).

Subsequently, the data were corrected for

- . tunnel upflow
- . tunnel blockage
- . tunnel wall interference

In the following paragraphs, each of these wind tunnel corrections will be discussed in detail.

The upflow was measured in the LaRC V/STOL wind tunnel by testing the 747 model in the upright and inverted position at three different heights (87, 65 and 45 inches above the tunnel floor), and it was 0.15 degrees for all three heights. Therefore, all "free air" data, 747 as well as Orbiter, were corrected for an upflow of 0.15 degrees.

The "ground effect" data were also corrected for upflow, but the correction varied with height above the tunnel floor. As it was impossible to measure the upflow angle near the ground, it was decided to calculate the upflow angle. This was done by assuming that the upflow angle at the floor boundary layer displacement thickness was $d\delta^*/dx$ and that the upflow angle at the wall was zero. Furthermore, it was assumed that the upflow angle varied with height according to a power law. These assumptions led to the following expression for the upflow angle.

$$\Delta \alpha_u = 0.15 \frac{Y}{87} \frac{1}{10.96}$$

where: Y = the height of the 0.25 MAC of the 747 wing above the tunnel floor in inches.

The "ground effect" data were corrected by calculating the upflow angle for a given height of the 0.25 MAC of the 747 wing above the tunnel floor and applying this upflow angle to both the 747 carrier and the Orbiter.

All data were corrected for tunnel blockage effects (reference 3) by multiplying the measured dynamic pressure, q_{meas} , by a factor $(1 + 2 E_T)$ as shown on the next page.

DATA REDUCTION (Continued)

$$q_{\text{corr}} = q_{\text{meas}} (1 + 2 E_T)$$

where:

$$E_T = E_{SB} + E_{WB}$$

E_{SB} = solid blockage factor

E_{WB} = wake blockage factor

The solid blockage factor, E_{SB} , was 0.00108 for the 747 alone and 0.00141 for the 747/Orbiter configuration (using standard methods described in reference 3). These values include the 506 swept blade strut. The wake blockage factor, E_{WB} was determined as follows:

$$E_{WB} = \frac{1}{4} \frac{S}{C} C_{D_o} + 5 \frac{S}{4C} (C_D - C_{D_o} - C_{D_1})$$

$$\text{where: } C_{D_o} = C_{D_{\alpha_w=0}} - (0.04573 + A_2) C_{L_{\alpha_w=0}}$$

$$C_{D_1} = 0.04573 C_L^2 + A_2 C_{L_{\alpha_w=0}}^2$$

$$\text{where: } A_2 = 0 \text{ for flap up}$$

(reference 4)

$$A_2 = 0.03016 \text{ for flap down}$$

Both the "free-air" and "ground effect" data were corrected for wind tunnel wall interference using the following equation:

$$\Delta \alpha_w = \delta_{WC} \frac{S}{C} (57.295) C_{L_{\text{tail off}}}$$

However, the constant, δ_{WC} is 0.1157 for the free air data and δ_{WC} is a function of the model height for the "ground effect" data. These corrections apply for both the 747, the Orbiter, and the mated configurations.

For the horizontal tail, the wall interference correction is:

$$\Delta \alpha_t = - \delta_{WC} \frac{S}{C} (57.295) C_{L_{\text{tail off}}}$$

$$\text{where: } \delta_{WC} = 0.0062 \text{ for "free air" data}$$

$$\text{but: } \delta_{WC} = 0 \text{ for "ground effect" data}$$

DATA REDUCTION - (Continued)

The final data reduction was performed in two steps:

Step One: All aerodynamic coefficients were corrected for blockage effects as described above

Step Two: All aerodynamic coefficients were then recomputed by rotating the lift and drag coefficients through an angle $\Delta\alpha$ which is the sum of the wall induced upflow $\Delta\alpha_{WC}$ and the upflow $\Delta\alpha_u$ as described in the preceding paragraphs.

The corrected lift and drag coefficients are:

$$\begin{aligned} C_L &= C_{L_{meas}} \cos \Delta\alpha - C_{D_{meas}} \sin \Delta\alpha \\ C_D &= C_{D_{meas}} \cos \Delta\alpha + C_{L_{meas}} \sin \Delta\alpha \end{aligned}$$

The pitching moment coefficients are also corrected using the following equation:

$$C_M = C_{M_{meas}} + \Delta\alpha_t \frac{\partial C_M}{\partial \alpha}$$

Orbiter aerodynamic coefficients measured about the orbiter moment reference point were transferred to the carrier moment reference center. (See Figure 2f). The transfer distances used are a function of orbiter incidence angle (i_{orb}). Equations used in computing the X and Z coordinate transfer distances are given below:

$$\begin{aligned} X &= 10.684 - 9.477 \cos (27.336 + i_{orb}) \\ Z &= 8.368 + 9.477 \sin (27.336 + i_{orb}) \end{aligned}$$

All aerodynamic forces and moments were reduced to coefficient form in stability axis systems, utilizing carrier reference dimensions:

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
S	747 wing area, ft ²	8.8	5500
b	747 wing span, in.	93.92	2348
\bar{c}	747 wing mean aerodynamic chord, in	13.112	327.8

DATA REDUCTION - (Concluded).

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
X _{MRP}	747 longitudinal moment reference point, in. X _c	53.596	1339.91
Y _{MRP}	747 lateral moment reference point, in. Y _c	0.0	0.0
Z _{MRP}	747 vertical moment reference point, in. Z _c	7.63	190.75
X _{MRB}	747 longitudinal balance moment center, in. X _c	54.596	1364.90
Y _{MRB}	747 lateral balance moment center in. Y _c	0.0	0.0
Z _{MRB}	747 vertical balance moment center, in. Z _c	9.25	231.25

Aerodynamic forces and moments measured by the Orbiter internal balance were reduced to coefficient form in stability axis systems utilizing Orbiter reference dimensions. Orbiter reference dimensions are:

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
S	Orbiter wing area, ft ²	4.412	2690
b	Orbiter wing span, in.	37.935	936.68
\bar{c}	Orbiter wing mean aerodynamic chord, in.	19.230	474.81
X _{MRP}	Orbiter longitudinal moment reference, in. X _o	44.914*	1109.0
Y _{MRP}	Orbiter lateral moment reference point, in. Y _o	0.0*	0.0
Z _{MRP}	Orbiter vertical moment reference point, in. Z _o	15.188*	375.0

* Orbiter moment reference center is also Orbiter balance moment reference center.

Average base pressure coefficients were calculated as follows:

$$C_{p14} = (C_{p1} + C_{p4})/2$$

$$C_{p25} = (C_{p2} + C_{p5})/2$$

$$C_{p36} = (C_{p3} + C_{p6})/2$$

RESULTS AND DISCUSSION

The data from this test correlates well with existing free air low speed aerodynamic characteristics and has provided a data base to define low speed aerodynamic characteristics in pitch for mated CAM/Orbiter configurations for take off and landing and to define ground proximity effects. The use of faired Orbiter Support Struts instead of the current unfaired design does not significantly affect the pitch axis stability and control results obtained.

The significant test results affecting the performance, stability, and control characteristics of the 747 in combination with the Space Shuttle Orbiter configuration are:

- The maximum lift coefficients of the mated configurations are greater than of the 747 alone configurations and increase with increasing Orbiter incidence angle.
- The wing angle of attack of the mated configurations at lift-off is less than that of the corresponding configurations in free air (e.g. at flap 10; $1.3, \Delta\alpha = -1.8^\circ$). This ground effect is similar to that on the basic 747.
- The Orbiter has a small effect on the position error corrections for airspeed and altitude (less than 2 knots on the airspeed and less than 80 feet on altitude.)
- Static longitudinal stability is reduced at flaps 20 and 30 (up to $0.10 \bar{c}$ for Orbiter incidence $= 8^\circ$ with tailcone off) compared to the basic 747. This may affect the choice of aft c.g. for some AIT operations.
- Mated configuration stabilizer effectiveness is comparable to that of the basic 747. Effectiveness is reduced slightly with increasing Orbiter incidence.
- Trailing edge down elevator effectiveness is comparable to the basic 747 values. Trailing edge up elevator effectiveness is reduced up to 25% at flaps 20 and 30 for the highest Orbiter incidence angle of 8° . At this incidence angle there will be some loss of stabilizer mistrim takeoff capability. There is sufficient trailing edge up elevator

RESULTS AND DISCUSSION - (Concluded).

control for landing flare and go-around.

- Effect of ground proximity on mated configuration pitch characteristics and control effectiveness was found to be similar to that determined for the basic 747 from previous testing.
- The "pitch-up loop" at stall is slightly more adverse for the mated configurations than for the basic 747 for flap 30. Nose-down elevator authority is adequate to compensate for this additional nose-up pitching moment should an inadvertent stall occur.

REFERENCES

1. Boeing DTF CAM 75-0009 "Summary Preliminary CA8 Test Results," September 24, 1975
2. Louisse, J. Boeing Document D180-18382-1", "Pretest Information for Testing the 747/Orbiter in the NASA Langley V/STOL Transition Research Wind Tunnel," August 11, 1975
3. Pope, A "Low-Speed Wind Tunnel Testing" Chapter 5, John Wiley and Sons, Inc., New York/London.
4. T.L. Wimer "Principles and Operational Procedures of the UWAL Data Reduction Programs," UWAL Report IV-D, December 1966

TABLE I

[illegible]

TABLE II.

TEST: CAB(LRC VSTOL 120)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75		
DATA SET IDENTIFIER	CONFIGURATION		CARRIER				ORPITER						MACH NUMBERS		
			α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}						
RJFO01	K ₁ V _{9.1.2}	TS ₁	Δ	0	-	-									
02	H _{15.1}	\downarrow	\downarrow	T	3	0									
03	F ₁₀	TS ₂	Δ		-2	T									
04	F ₁₀	TS ₂	Δ		T	\downarrow									
05			\downarrow			17									
06			Δ			10									
07	LOOSE TAPE ON RH. STAB HL.					-10									
08						-10									
09					\downarrow	-23									
10					-4	0									
11					0	T									
12	G _{5.3.5}	\downarrow	\downarrow		-2	\downarrow									
13	K ₁ V _{9.1.2} F ₂₀ H _{15.1}		Δ		-	-									
14	F ₂₀ H _{15.1}	\downarrow	\downarrow		-	-									
15	H _{15.1}		Δ		-6	0									
16		\downarrow	\downarrow		-4	T									
17			Δ		-2										
18	G _{5.3.5}	\downarrow	Δ	\downarrow	-2	\downarrow									
* R D/S (CARRIER, DATA - CARRIER REFERENCE) 37 43 49 55 61 67 (OR) GP 75 76															
BETA, IQ(P.S.F.) ICL ICD ICLM ICLN CSL IGY MACH ALPHAW															
α OR β SCHEDULES $\Delta \alpha = -2^\circ$ to 26° , $\Delta = 2^\circ$ COEFFICIENTS $\Delta \alpha = -2^\circ$ to 14° , $\Delta = 2^\circ$ $\Delta \alpha = 14^\circ$ to 26° , $\Delta = 1^\circ$															

* Nominal Mach = 0.155 \pm 0.001 except d/s 366, 367 Mach = 0.186, d/s 368, 369 = 0.204

* P & T schedule of coefficients follow on the next two pages

K₁ = B29BW45M25M26N57N58T14 (Bottom support sting)

TUNNEL RUN NUMBER CORRESPONDS TO LAST THREE DIGITS OF THE DATA SET IDENTIFIER

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER				MACH NUMBERS					
		α	β	δ	δ_e	δ_{OR}	δ_G	δ_{BF}							
RJF019	K1V9.1.2 F30 H15.1	Δ	0	-4	17										
20			\sim												
21															
22															
23	K1V9.1.2 F30 H15.1 G5.3.5														
24															
25	LOOSE TAPE ON STAB														
26															
27															
28				-6	0										
29		Y		-4											
30	LOOSE TAPE ON STAB	Δ		-2											
31				-2											
32	K1V9.1.2 F30 G5.3.5	Y		-	-										
33		Y	8			← NO DATA →									
34		T3	Δ												
35	K2V9.1.2 F30 H15.6.1	Δ		-6	0	3	0	-11.7							
Y 36		Δ		-6	0	3	0	-11.7							

TEST RUN NUMBER

I P D/S (CARRIER NOSE PRESSURE DATA)

374349556167 (OR) GP 75 76

BETA 10 (PSF) CP1 CP2 CP3 CP4 CP5 CP6 MACH ALPHA

COEFFICIENTS

10.47 11 10.47 12 10.47

α OR β

SCHEDULES

Normal Mach = 0.155 \pm 0.001 except d/s 366, 367 Mach = 0.186, d/s 368, 369 = 0.204

$$K_2 = K_1 + AT_{107} + AT_{111.4} \text{ (CAM kit for ferry)}$$

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)				DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS								
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}									
RJF055	K3V9.1.2F30H15.6.1G5.3.50T55T54	Δ	0	0	0	6	-5	-11.7									
56		Δ	0	-	-	7	-	-									
57		Δ	0	-	-	8	-	-									
58	H5.6.1	Δ	-4	0		-											
59				0													
60			-2														
61					17												
62				-23		Y		Y									
63				-23		6		0									
64				-10		-		-									
65					10												
66		Δ			17												
67		Δ	Y	0													
68		Δ	-4														
69			0														
70		Δ	-2														
71	K3V9.1.2F30H15.6.1O2T55T54	Δ	-2	Y													
72		Δ	-	-		Y	Y	Y									
1 7 13 19 25 31 37 43 49 55 61 67 73 76																	
COEFFICIENTS																	
IDVAR (1) IDVAR (2) NOV																	
α OR β																	
SCHEDULES																	

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS							
		α	β	δ	δ_e	δ_{ORP}	δ_e	δ_{BF}								
RJF013	K ₃ V _{9.1.2} G _{5.3.5} F ₂₀ T ₅ O ₂ T ₅	Δ	0	-	-	8	-5	0								
74	+H _{15.6.1}	Δ		-4	0											
75		Δ		-2												
76		Δ		0		Y										
77	F ₂₀	Δ		-2		6										
78	K ₃ V _{9.1.2} F ₂₀ H _{15.6.1} T ₅ O ₂ T ₅	Δ		-4												
79	K ₃ V _{9.1.2} F ₂₀ H _{15.6.1} T ₅ O ₂ T ₅	Δ		-2												
80		Δ		0												
81				3				Y								
82	O ₁ T ₅	Y		-4				-11.7								
83		Δ		-2												
84		Δ		0	Y											
85	K ₃ V _{9.1.2} F ₂₀ T ₅ O ₁ T ₅	Δ		-	-			Y								
86	O ₂			-	-	Y		0								
87	O ₁	Y		-	-	8		-11.7								
88	+H _{15.6.1}	Δ		3	0											
89				0												
90		Y	Y	-4	Y	Y	Y	Y								
		1	7	13	19	25	31	37	43	49	55	61	67	73	79	
		COEFFICIENTS										IDVAR (1)		IDVAR (2)		NDV
		SCHEDULES														

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS						
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}							
RJF091	$K_3 V_{9.1.2} F_{20} H_{15.6.1} T_{50} O_{15.4}$	Δ	0	-2	0	8	-5	-11.7							
092	↓	Δ		-2	-23	8	-5								
093	K_2 —————	Δ		-2	0	3	0								
094	—————	Δ		-2											
095		Δ		-4											
096	↓			-6	↓										
097	—————			OFF	OFF										
098	↓ $H_{15.6.1}$ ↓			-4	-23										
099	—————				17	Y	Y	Y							
100	$K_{3.1}$ ————— O_2				17	6	-5	0							
101	—————			↓	-23										
102	————— F_{10} —————			-2											
103	K_3 —————				↓										
104	—————			↓	17										
105	—————			OFF	OFF										
106	————— $H_{15.6.1}$ —————			-2	0										
107	—————			0											
Y 108	↓	Y	Y	2	↓	Y	Y	Y							
1 7 13 19 25 31 37 43 49 55 61 67 75 76															
α OR β		COEFFICIENTS										IDVAR (1) IDVAR (2) NDV			
SCHEDULES															

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

$K_{3.1} = K_1 + AT_{106} + AT_{111.3}$ (Sting replacing vertical mounted from above)

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER				ORBITER			MACH NUMBERS						
		α	β	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}							
RJF109	$K_3 V_{9.1.2} F_0 H_{15.6.1} TS_5 O_2 TS_4$	Δ	0	0	0	6	-5	0							
110	$\overline{K_3 V_{9.1.2} F_0 H_{15.6.1} TS_5 O_2 TS_4}$					6	-5								
111						8°									
112					-2										
113					2										
114	$K_3 V_{9.1.2} F_0 TS_5 O_2 TS_4$			OFF	OFF										
115	$K_2 \rightarrow F_{30} \rightarrow O_1 \rightarrow$					3	0	-11.7							
116	$K_2 V_{9.1.2} H_{15.6.1} F_0 TS_5 O_1 TS_4$				3	0									
117					0										
118					-4										
119					-2										
120						-23									
121	$\overline{K_2 V_{9.1.2} F_0 TS_6 O_1 TS_4}$					17									
122	$K_2 V_{9.1.2} F_0 TS_6 O_1 TS_4$			OFF	OFF										
123	$\overline{H_{15.6.1} TS_6 O_1 TS_4}$				-4	0									
124					-2										
125					0										
126	$K_3 \rightarrow$				-4				6						
1 7 13 19 25 31 37 43 49 55 61 67 73 76															
COEFFICIENTS															
IDVAR (1) IDVAR (2) NOV															
SCHEDULES															

TEST RUN NUMBERS

 α OR β
SCHEDULES

COEFFICIENTS

IDVAR (1) IDVAR (2) NOV

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δe	δ_{ORB}	δ_c	δ_{BF}						
RJF127	K3V9.12 F _{15.6.1} T _{36.0} TS ₄	Δ	0		-2	0	6	0	-11.7						
Y 128	Y		T		0	0	T	T	T						
129	Y				OFF	OFF			Y						
130	Y				\downarrow	\downarrow			0						
131	Y				-4	0			T						
132	Y				0	T	Y		Y						
133	K2.1 H _{15.6.1} F ₃₀ G _{5.3.5} TS ₀ TS ₄	4	Δ		-2		3		-11.7						
134	Y	6		T	T		T		T						
135		8													
136		0													
137		2													
138		10													
139		12													
140		14													
141		16			Y										
142		0			-4										
143		2			T										
Y 144	Y	4	Y	Y	Y	Y	Y	Y	Y						
1 7 13 19 25 31 37 43 49 55 61 67 75 76															
α OR β Δ GP = 2., 5., 14., 30., \pm 45.4 INCHES (GROUND Height) COEFFICIENTS IDVAR (1) IDVAR (2) NDV															
SCHEDULES															

*Nominal Mach = 0.155 \pm 0.001 except d/s 366, 367 Mach = 0.186, d/s 368, 369 = 0.204

K_{2.1} = K₁ + AT₁₀₇ + AT_{111.4} (Sting replacing vertical mounted from above)

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 0/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS			
		α	θ	GP	δ	δe	i_{ORB}	δc	δB_F				
RJF145	K _{2.1} H _{15.4} F ₃₀ TS ₁₀ TS ₄ G _{53.5}	6	0	4	-4	0	3	0	-11.7				
146		8	T	T	T	T	T	T					
147		10											
148		12											
149		14											
150		16			Y								
151		0			6								
152		4			T								
153		8											
154		6											
155		10											
156		12			Y	Y							
157		0			OFF	OFF							
158		4			~	~							
159		6											
160		8											
161		10											
162		12	Y	Y	Y	Y	Y	Y	Y				

17131925313743495561677576

COEFFICIENTS

IDVAR (1)IDVAR (2)NDV

α OR β

SCHEDULES

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CAB(LRC VSTOL 129)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 9/16/75

DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS									
		α	β	GP	δ	δe	i_{ORB}	$\delta \alpha$	$\delta \beta$										
RJF 163	K21 F30 H15.1 G5.35 TS0 TS4	0	0	4	-4	-23	3	0	-11.7										
164		4	T	T	T	T	T	T	T										
165		6																	
166		8																	
167		10																	
168		12																	
169	K21	0			-2		6	-5											
170		4			T		T	T											
171		6																	
172		8																	
173		10																	
174		12																	
175		4			0	0													
176		6			T	T													
177		8																	
178		10																	
179		12																	
180		0	Y	Y	Y	Y	Y	Y	Y										

TEST RUN NUMBERS

 α OR β

SCHEDULES

COEFFICIENTS

IDVAR (1)

IDVAR (2)

NDV

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 125)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	β	GP	δ	δe	i_{ORB}	δe	$\delta \theta$							
RJF 181	K2.1 F30 H15.4.1 G5.3A TS ₀	0	0	4	-2	0	6	-5	-11.7							
182	TS ₁	4	T	T	T	T	T	T	T							
183		6														
184		8														
185		10														
186		12				✓										
187		0			-4											
188		4														
189		6														
190		8														
191		10														
192	✓	12			✓	✓										
193	TS ₂	0			OFF	OFF										
194		4			✓	✓										
195		6														
196		8														
197		10														
198	✓	12	✓	✓	✓	✓	✓	✓	✓							

17576

COEFFICIENTS

12VAR (1)12VAR (2)NOV

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

α OR β
SCHEDULES

COEFFICIENTS

1EVAR (1) 1DVAR (2) NOV

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST: CAB(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75		
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{orb}	δ_e	δ_{BF}					
RJE 199	K _{2.1} F ₃₀ H _{19.4} S _{5.3.5} TS ₇ ATS ₄	0	0	4	-2	17	6	-5	-11.7					
200		4		T	T	T	T	T	T					
201		6												
202		8												
203		10												
204		12				Y		Y						
205		0				0		0						
206		4				T		T						
207		6												
208		8												
209		10												
210	Y	12			Y			Y	Y					
211		0			-4			-5	0					
212		4			T			T	T					
213		6												
214		8												
215		10												
Y 216	Y	12	Y	Y	Y	Y	Y	Y	Y					
		1	7	13	19	25	31	37	43	49	55	61	67	73 76
		COEFFICIENTS												
		IDVAR (1) IDVAR (2) NDV												
		SCHEDULES												
Nominal Mach = 0.155 + 0.001 except d/s 366 367 Mach = 0.186 368 369														

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CAB(LRC VSTOL 120)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	β	GP	δ	δe	i_{ORB}	δe	δ_{BF}							
RJF217	K _{3.1} F ₃₀ H _{15.6.1} G _{53.5} T _{3.0} T _{5.1}	0	0	4	-2	0	6	-5	0							
218		4	T	T	T	T	T	T	T							
219		6														
220		8														
221		10														
222		12			Y											
223		0			0											
224		4			T											
225		6														
226		8														
227		10														
228	Y	12			Y	Y										
229		0			OFF	OFF										
230		4														
231		6														
232		8														
233		10														
234	Y	12	Y	Y	Y	Y	Y	Y	Y							
1 7 13 19 25 31 37 43 49 55 61 67 75 76																
COEFFICIENTS																
IDVAR (1) IDVAR (2) NDV																
SCHEDULES																
Nominal Mach = 0.155 to 0.021																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

DATA SET IDENTIFIER		CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
			α	β	GP	δ	δ_e	i_{ORB}	δ_c	δ_{BF}							
RJF 235	K _{3.1} F ₃₀ H _{15.6} I _{G5.35} T _{S70} T _{S4}		0	0	△	-2	-23	6	-5	0							
Y 236			4	T	T	T	T	T	T	T							
237		6															
238		8															
239		10															
240		12						Y									
241			0					8									
242			4					T									
243			6														
244			8														
245			10														
246	Y		12			Y	Y										
247		0			OFF	OFF											
248	Y		4			T	T										
249		6															
250			8														
251			10														
Y 252	Y		12	Y	Y	Y	Y	Y	Y	Y							

TEST RUN NUMBER:

1 7 13 19 25 31 37 43 49 55 61 67 73 76

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

α OR β

SCHEDULES

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST: CA8(LAC VTOL 120)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δe	i_{ORB}	δe	δBF						
RJF253	K3.1F30G5.3.5H15.6.1T5.0.2T5.4	0	0	5	0	0	8	5	0						
254		4	T	T	T	T	T	T	T						
255		6													
256		8													
257		10													
258		12			✓										
259		0			-4										
260		4			T										
261		6													
262		8													
263		10													
264		12													
265		12			✓										
266		0			-2										
267		4			T										
268		6													
269		8													
270		10	✓	✓	✓	✓	✓	✓	✓						
		1	7	13	19	25	31	37	43	49	55	61	67	73	79
		COEFFICIENTS										IDVAR (1) IDVAR (2) NOV			
		$\Delta GP = 2, 5, 14, 30, 45, 4, \frac{1}{2} \text{ MAX, INCHES}$													
		SCHEDULES													

*Nominal Mach = 0.155 \pm 0.001 except d/s 366, 367 Mach = 0.186. d/s 368, 369 = 0.204

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TABLE II. Continued

TEST: CA8(LRC VSTOL 120)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{BE}						
RJF271	K _{3.1} F _{3.0} G _{5.3} H _{5.4} TS ₇ O ₂ TS ₄	12	0	Δ	-2	0	8	-5	0						
272		Δ	T	54	T	T	T	T	T						
273		0		Δ					-11.7						
274		4		T					T						
275		6													
276		8													
277		10													
278		12			Y										
279		0			-4										
280		4			T										
281		6													
282		8													
283		10													
284		12			Y										
285		0			0										
286		4			T										
287		6													
Y 288	Y	8	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	73	76
		COEFFICIENTS										IDVAR (1)	IDVAR (2)	NDV	
α OR β		$\Delta \alpha = 4^\circ \text{ to } 12^\circ \Delta = 2^\circ$													
SCHEDULES															

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST: CAB(LRC VETOL 120)			DATA SET RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75						
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS									
		α	β	GP	δ	δ_e	δ_{ORBI}	δ_e	δ_{RF}										
RJF289	K3.1 F30 G53.5 H15.6 I TS7 O TS4	10	0	5	0	0	8	-5	-11.7										
290		12	T	T	T	T	T	T	T										
291		0			OFF	OFF													
292		4			T	T													
293		6																	
294		8																	
295		10																	
296		12			T	T													
297	H15.6 I	0			-2	-23													
298		4			T	T													
299		6																	
300		8																	
301		10																	
302		12																	
303	O ₂	0																	
304		4																	
305		6																	
306		8	T	T	T	T	T	T	T										
1 7 13 19 25 31 37 43 49 55 61 67 75 76																			
α OR β		COEFFICIENTS																	
SCHEDULES		IDVAR (1) IDVAR (2) NDV																	

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

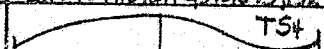
TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	β	GP	δ	δ_e	i_{ORB}	δ_e	δ_{BF}							
RJF307	K _{3.1} F ₁₀ G _{5.5} H _{15.6} I ₅ J _{0.2} T _{5.4}	10	0	5	-2	-23	8	-5	0							
308		12	T	T	T	T	T	T	T							
309		0			OFF	OFF										
310		4			T	T										
311		6														
312		8														
313		10														
314	Y	12			Y	Y										
315	1115.6.1	0			-2	0										
316		4			T	T										
317		6														
318		8														
319		10														
320		12			Y	Y										
321		0			0	0										
322		4			T	T										
323		6														
324	Y	8	Y	Y	Y	Y	Y	Y	Y							
1 7 13 19 25 31 37 43 49 55 61 67 75 76																
α OR β		COEFFICIENTS										IDVAR (1) IDVAR (2) NDV				
SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

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TABLE II. Continued

TEST : CA8(LRC VSTOL 129)		DATA SET RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δe	δ_{ORB}	δe	δ_{BF}							
RJF 325	K3.1 F10 H15.16.1 G5.35 TS ₁₀₂	10	0	Δ 5	0	0	8	-5	0							
326		12	T	T	T	T	T	T	T							
327		0			2											
328		4			T											
329		6														
330		8														
331		10														
332		12			Y		Y									
333		0			-2		6									
334		4			T		T									
335		6														
336		8														
337		10														
338		12			Y											
339		0			0											
340		4			T											
341		6														
Y 342	Y	8	Y	Y	Y	Y	Y	Y	Y							
1 7 13 19 25 31 37 43 49 55 61 67 75 76																
COEFFICIENTS																
IDVAR (1) IDVAR (2) NDV																
SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II, Continued

TEST : CA8(LRC VSTOL 120)			DATA SET RUN NUMBER COLLATION SUMMARY										DATE : 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{RF}							
RJF343	K ₃₁ F ₁₀ H _{15.6.1} G _{5.3.5} TS ₉ D ₂ TS ₉	10	0	Δ	0	0	6	-5	0							
344		12	T	T	\downarrow	T	T	T	T							
345		0			2											
346		4			T											
347		6														
348		8														
349		10														
350	Y	12			Y	Y										
351		0			OFF	OFF										
352		4			T	T										
353		6														
354		8														
355		10														
356	Y	12			Y	Y										
357	H _{15.6.1}	0			-2	-23										
358		4			T	T										
359		6														
360	Y	8	Y	Y	Y	Y	Y	Y	Y							
		1	7	13	19	25	31	37	43	49	55	61	67	73	76	
		COEFFICIENTS										IDVAR (1)		IDVAR (2)	NDV	
α OR β SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 120)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δe	i_{ORB}	δp	δBF							
RJF 361	K _{3.1} F ₁₀ H _{15.6} G _{53.5} TS _{7.0} TS ₄	10	0	△	-2	-23	6	-5	0							
362	→	12	T	T	T	T	↓	↓	↓							
363	K _{2.11} →10 ₁ →	0		↓		↓	3	0	-11.7	←	NO DATA	→				
364	→	△		44		0	T	T	T							
365		△		54		T										
366		△		44												
367		△		54												
368		△		44												
369		△		54												
370		△		4						←	NO DATA	→				
371	↓	△		T						←	NO DATA	→				
372	K _{2.1} F ₃₀ →	△		↓			↓	↓		←	NO DATA	→				
373	K _{3.1} F ₂₀ →	△		△			6	-5	↓							
374	K _{3.1} F ₁₀ →10 ₂ →	0		△			T	T	0							
375	→	4		T					T							
376		6														
377		8														
378	↓	10	↓	↓	↓	↓	↓	↓	↓							
		1	7	13	19	25	31	37	43	49	55	61	67	73 76		
α OR β SCHEDULES		COEFFICIENTS △ 7 α = 2, 3, 4, 6, † 8 △ 8 α = 4, 6, 8, 10, 12° △ 9 α = 16° to 24° Δ = 2° △ 10 α = 0 to 18° Δ = 2° △ 11 1/GP = 1/4 2.25", 2/35", 4/45.25", 6 to 12° AR (2) 1/45.9", 18/45" △ 12 GP = 2.5, 10, 14, 18, 30, 45.9, † MAX														

*Nominal Mach = 0.155 ± 0.001 except d/s 366, 367 Mach = 0.186, d/s 368, 369 = 0.204

TEST RUN NUMBERS

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TABLE II. Continued

TEST: CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δe	i_{ORB}	δc	δ_{BF}						
RJF379	K3.1 F0 H15.6.1 G52.5 TS10.2 TS4	12	0	12	-2	0	6	-5	0						
380		0	T	T	2	T	T	T	T						
381		4			T										
382		6													
383		8													
384		10													
385	Y	12		Y	Y	Y	Y	Y							
386	Ke.1 10.1	0		5	0	3	0	-11.7							
387		4		T	T	T	T	T							
388		6													
389		8													
390		10													
391		12													
392		0			-2										
393		4													
394		6													
395		8													
396	Y	10	Y	Y	Y	Y	Y	Y	Y						
		1	7	13	19	25	31	37	43	49	55	61	67	73	76
COEFFICIENTS															
α OR β															
SCHEDULES															

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS							
		α	β	GP	δ	δ_e	δ_{ORB}	δ_e	δ_{BF}								
RJF397	K ₂ IF ₁₀ H _{15.4} GS _{3.5} TS ₇ ATS ₄	12	0	5	-2	0	3	0	-11.7								
398		0	T	T	-4	T	T	T	T								
399		4															
400		6			Y												
401		8			0												
402		10															
403	Y	12			Y	Y											
404	-----	0			OFF	OFF											
405	-----	4			T	T											
406		6															
407		8															
408		10															
409	Y	12			Y	Y											
410	----- H _{15.4}	0			-2	-23											
411	-----	4			T	T											
412		6															
413		8															
Y 414	Y	10	Y	Y	Y	Y	Y	Y	Y								
1 7 13 19 25 31 37 43 49 55 61 67 75 76																	
α OR β		COEFFICIENTS										IDVAR (1)		IDVAR (2)		NDV	
SCHEDULES																	

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST: CA8(LRC VSTOL 12°)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 0/16/75

DATA SET RUN NUMBER COLLATION SUMMARY										DATE: 0/16/75										
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS										
		α	β	GP	δ	δe	δ_{ORB}	δ_c	δ_{BF}											
RJF415	K _{2.1} F ₁₀ H _{15.6.1} G _{5.3.5} T _{5.0} T _{5.4}	12	0	5	-2	-23	3	0	-11.7											
Y 416		0	T	T	T	T	T	T	T											
417		4																		
418		6																		
419		8																		
420		10																		
421	Y	12			Y	Y														
422		0			OFF	OFF														
423		4			T															
424		6																		
425		8																		
426		10																		
427	Y	12			Y	Y														
428		0			-6	0														
429		4			T	T														
430		6																		
431		8																		
Y 432	Y	10	Y	Y	Y	Y	Y	Y	Y											
		1	7	13	19	25	31	37	43	49	55	61	67	73	76					
		COEFFICIENTS																		
		SCHEDULES																		
		IDVAR (1) IDVAR (2) NDV																		
Nominal Mach = 0.155 ± 0.001 except a/s 366,367 Mach = 0.186 a/s 368,369																				

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 129)			DATA SET / RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{ORB}	δ_c	δ_{BF}							
RJF433	K21 F20 H15.6.1 G53.5 TS7 ATS	12	0	5	-6	0	3	0	-11.7							
434	F30	0	T	T	-4	T	T	T	T							
435		4			T											
436		6														
437		8														
438		10														
439		12				γ										
440		0				-2										
441		4				T										
442		6														
443		8														
444		10														
445		12														
446		0														
447		4														
448		6														
449	8															
450	10	γ	γ	γ	γ	γ	γ	γ	γ							
<div><div>1731253743495561677576</div><div></div></div>																
<div><div><div>α OR β</div><div>SCHEDULES</div></div><div>COEFFICIENTS</div><div><div>IDVAR (1)</div><div>IDVAR (2)</div><div>NDV</div></div></div>																

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

TABLE II. Continued

TEST : CAB(LRC VSTOL 129)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{ORB}	δ_c	δ_{BF}							
RJF 451	K _{2.1} F ₃₀ H _{15.6.1} G _{9.3.3} F ₇₀ TS ₁	12	0	5	-2	0	3	0	-11.7							
452	K _{3.1} F ₂₀ T	0	T	T	T	T	6	T	T							
453		4					T									
454		6														
455		8														
456		10														
457		12					Y									
458		0					-5									
459		4					T									
460		6														
461		8														
462		10														
463		12														
464		0														
465		4														
466		6														
467		8														
468		10	Y	Y	Y	Y	Y	Y	Y							
		1	7	13	19	25	31	37	43	49	55	61	67	73	76	
COEFFICIENTS																
α OR β																
SCHEDULES																
TEST RUN NUMBERS																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

TABLE II. Continued

TEST : CA8(LRC VSTOL 120)			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER			MACH NUMBERS						
		α	β	GP	δ	δe	δ_{ORB}	δ_c	δ_{BF}							
RJF469	K21 F20 H15.6.1 G53.5 T5.0 T5.0	12	0	5	-2	0	6	-5	-11.7							
470		0	T	T	-4	T	T	T	T							
471		4			T											
472		6														
473		8														
474		10														
475		12			Y											
476		0			0											
477		4			T											
478		6														
479		8														
480		10														
481	Y	12			Y											
482	Y	0			OFF	OFF										
483	Y	4			-	T										
484		6														
485		8														
Y 486	Y	10	Y	Y	Y	Y	Y	Y	Y							
1 7 13 19 25 31 37 43 49 55 61 67 75 76																
COEFFICIENTS																
10VAR (1) 10VAR (2) NDV																
α OR β																
SCHEDULES																

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

MSA-MSFC MAF

TEST RUN NUMBERS



TEST RUN NUMBER:

NASA REPORT NUMBER

TABLE II. Continued

TEST: CA8(LRC VSTOL 12°)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 9/16/75			
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS			
		α	β	GP	δ	δ_e	i_{ORB}	δ_e	δ_{BF}						
RJF505	K _{1.2} F ₃₀ H _{15.1} G _{5.3.5} TS ₂ TS ₄	12	0	15	-2	-23	8	-5	-11.7						
506	—	0	T	11.0	OFF	OFF	T	T	T						
507	—	4		13	T	T									
508	—	6		14											
509	Y	8		13	Y	Y	Y	Y	Y						
510	K _{1.2} F ₃₀ H _{15.1} G _{5.3.5} TS ₂	10		65.0	-6	0	-	-	-						
511	—	T		T	-4	0									
512	Y				-2	0									
513	K _{1.2} F ₃₀ G _{5.3.5} TS ₂				OFF	OFF									
514	K _{1.2} TS ₁			Y	T	T									
515	—			87.0											
516	—			45.0	Y	Y									
517	H _{15.1}			45.0	-2	0									
518	—			87.0	T	T									
519	—			65.0	Y										
520	Y Y			T	0										
521	K _{1.2} H _{15.1} TS ₁				-4										
Y 522	K _{1.2} H _{15.1} TS ₁ INVERTED	Y	Y	Y	Y	Y									
		1	7	13	19	25	31	37	43	49	55	61	67	73	76
		COEFFICIENTS										IDVAR (1) IDVAR (2) NDV			
		α OR β SCHEDULES													

*Nominal Mach = 0.155 ± 0.001 except d/s 366,367 Mach = 0.186. d/s 368,369 = 0.204

K_{1.2} = B29BW45M25M26N57N58T14 (Sting mounted midbody from above)

TABLE II. Concluded

TEST : CA8(LRC VSTOL 129)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE : 0/16/75				
DATA SET IDENTIFIER	CONFIGURATION	CARRIER					ORBITER					MACH NUMBERS				
		α	β	GP	δ	δ_e	δ_{ORB}	δ_c	δ_{BF}							
RJF523	K1.2 H15.1 TS1 INVERTED	Δ	0	65	-2	0	-	-	-							
524	\downarrow	T	T	87	-2	0										
525	\downarrow			65	0	0										
526	K1.2 TS1 Inverted			45	OFF	OFF										
527	\downarrow			65	T	T										
528	\downarrow			87												
529	K1.2 F30 TS2 Inverted			65												
530	\downarrow			87	Y	Y										
531	K1.2 H15.1 F30 TS2 INVERTED			65	-2	0										
532	\downarrow			87	-2	T										
533	\downarrow			65	-4											
534	\downarrow			87	-4											
535	K1.2 H15.6.1 F30 TS4 INVERTED			T	-2											
536	\downarrow	Y	Y	Y	-4	Y										

*Nominal Mach = 0.155 \pm 0.001 except d/s 366,367 Mach = 0.186, d/s 368,369 = 0.204

1982A...100...1

TABLE III. MODEL DIMENSIONAL DATA
a. Carrier

MODEL COMPONENT: AILERON - A₁

GENERAL DESCRIPTION: Inboard aileron extending from WBL 17.80 to 20.58.

747 MODEL SCALE: 0.040

MODEL 1065

DRAWING NO.: 65-71450

DIMENSIONS: (For 1 of 2 ailerons)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²		
Planform	<u>35.9</u>	<u>0.057</u>
Span (equivalent)	<u>5.79 FT</u>	<u>2.78 IN</u>
Chords:		
Inboard	<u>5.48 FT</u>	<u>2.632 IN</u>
Outboard	<u>7.34 FT</u>	<u>3.522 IN</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENTS: AILERON - A₂

GENERAL DESCRIPTION: Outboard aileron extending from WBL 33.96 to WBL 44.58

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71450

DIMENSIONS: (For 1 of 2 ailerons)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Area - Ft ²		
Planform	<u>76.7</u>	<u>0.123</u>
Span (equivalent)	<u>22.12</u>	<u>10.62</u>
Chords:		
Inboard	<u>4.0</u>	<u>1.920</u>
Outboard	<u>2.9</u>	<u>1.392</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₀₆

GENERAL DESCRIPTION: Launch Configuration. A welded rod assembly to support forward part of Orbiter. Struts have a streamlined "gaiter" fairing with 18.2 in. chord. The strut terminals on the 747 have streamlined fairing.

MODEL SCALE: 0.04

DRAWING NO.: 747-MD-685, S O. 1284-192, -193 -196, -199, -200 -203,
-208 -211

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach Points on 747 $i_0 = 6^\circ$		
No. of struts	<u>4</u>	<u>4</u>
Diameter in. Main (2)	<u>8.5</u>	<u>.340</u>
Diameter in. Sway Braces (2)	<u>3.13</u>	<u>.125</u>
Location in.		
BS 747	<u>680</u>	<u>27.2</u>
BWL 747	<u>372</u>	<u>14.88</u>
BBL 747	<u>66.3</u>	<u>2.65</u>
Attach point on Orbiter		
BS 747	<u>684.87</u>	<u>27.40</u>
BWL 747	<u>512.61</u>	<u>20.50</u>
BBL	<u>0</u>	<u>0</u>
BS Orbiter	<u>388.15</u>	<u>15.526</u>
WL Orbiter	<u>283.11</u>	<u>11.32</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₁₀₇

GENERAL DESCRIPTION: Ferry Configuration. A welded rod assembly to support forward part of Orbiter - struts have a streamlined fairing with 18.33 inch chord. The strut terminals on the 747 and Orbiter have streamlined fairings.

MODEL SCALE: 0.040

DRAWING NO.: 747-MD-685 S.O. 1284-192, -193, -194, -198, -200, -203, -208
-211

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point on 747: ($i_o = 3^\circ$)		
Number of struts	<u>2</u>	<u>2</u>
Diameter, in. (Main 2)	<u>5.0</u>	<u>.200</u>
Location, In.		
BS 747	<u>680</u>	<u>27.2</u>
BWL 747	<u>372</u>	<u>14.88</u>
BBL 747	<u>66.3</u>	<u>2.65</u>
Attach point on Orbiter		
BS 747	<u>680.24</u>	<u>27.21</u>
BWL 747	<u>464.20</u>	<u>18.57</u>
BBL 747	<u>0</u>	<u>0</u>
BS Orbiter	<u>388.15</u>	<u>15.53</u>
WL Orbiter	<u>283.11</u>	<u>11.32</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{111.3}

GENERAL DESCRIPTION: Launch Configuration. A welded rod assembly and fairing to support the aft part of Orbiter on the 747. Main struts and sway braces have streamlined fairings with following chords: Main - 78 in., R.H. Sway Brace 34.73 in., L.H. Sway Brace 18.05 in. Terminals on the 747 have streamlined fairings.

MODEL SCALE: 0.04

DRAWING NO.: 747-MD-686, S.O. 1284-201, -202, -206

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach points on 747			
Number of Struts		6	6
Diameter In.	Fwd. Legs (2)	12	.48
	Aft Legs (2)	12	.48
	R.H. Sway Brace	6.25	.25
	L.H. Sway Brace	3.25	.13
Location In.			
Fwd.	BS 747	1445.3	57.81
	BWL 747	322.98	12.92
	BBL 747	96.5	3.86
	BS 747	1607	64.28
	BWL 747	329.0	13.16
	BBL 747	96.5	3.86
Attach point on Orbiter			
	BS 747	1607	64.28
	BWL 747	400	16.00
	BBL 747	96.5	3.86
	BS Orbiter	1317	52.68
	WL Orbiter	267.50	10.70

C-2

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT_{111.4}

GENERAL DESCRIPTION: Ferry Configuration. A welded rod assembly and fairing to support the aft part of Orbiter on the 747. Main struts and sway brace have streamlined fairings with following chords:

Main - 78 in., R.H. sway brace 34.73 in., terminal on the 747 have streamlined fairings.

MODEL SCALE: 0.04

DRAWING NO. 747-MD-686, S.O. 1284-201, -202, -206

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach points on 747			
Number of struts		<u>6</u>	<u>6</u>
Diameter In.	Fwd. Legs (2)	<u>12</u>	<u>.48</u>
	Aft Legs (2)	<u>12</u>	<u>.48</u>
	R.H. Sway Brace	<u>6.25</u>	<u>.25</u>
Location In.			
	BS 747	<u>1445.3</u>	<u>57.81</u>
Fwd.	BWL 747	<u>322.98</u>	<u>12.92</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
	BS 747	<u>1607</u>	<u>64.28</u>
Aft	BWL 747	<u>329.0</u>	<u>13.16</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
Attach point on Orbiter			
	BS 747	<u>1607</u>	<u>64.28</u>
	BWL 747	<u>400</u>	<u>16.00</u>
	BBL 747	<u>96.5</u>	<u>3.86</u>
	BS Orbiter	<u>1317</u>	<u>52.68</u>
	WL Orbiter	<u>267.50</u>	<u>10.70</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY - B29B

GENERAL DESCRIPTION: Fuselage for the 747-100/200 airplane

Body spar places V-9.1.2 $1/4$ MAC at MS 101.197 and WL 21.12

Incidence block locates W45 $1/4$ MAC at MS 53.596, WL 7.63 and BL 19.614

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71436, S.O. 1284-175, -182

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Length	<u>225.17</u>	<u>108.08</u>
Max. Width	<u>22.71</u>	<u>10.90</u>
Max. Depth Height	<u>25.52</u>	<u>12.25</u>
Fineness Ratio	<u>10.57</u>	<u>10.57</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F8.1

GENERAL DESCRIPTION: Inboard, double slotted trailing edge flap extending from WBL 5.138 to WBL 17.800. Used for 10° and 20° flap deflections.

747 (MODEL SCALE: 0.040) MODEL: 1065

DRAWING NO.: S.O. 1065-43, -45, -85, -194

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>26.38</u>	<u>12.662</u>
Main flap chord	<u>8.83</u>	<u>4.24</u>
Fore flap chord	<u>3.42</u>	<u>1.64</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F_{8.2}

GENERAL DESCRIPTION: Outboard, double slotted trailing edge flap extending from WBL 20.60 to WBL 32.88. Used for 10° and 20° flap deflections.

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NO.: S.O. 1065-32. -33. -89. -135. -192. -193

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>25.58</u>	<u>12.28</u>
Main flap:		
Inb'd equivalent chord	<u>6.90</u>	<u>3.313</u>
Outb'd equivalent chord	<u>5.15</u>	<u>2.47</u>
Fore flap:		
Inb'd equivalent chord	<u>2.5</u>	<u>1.20</u>
Outb'd equivalent chord	<u>2.04</u>	<u>0.98</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F9.1

GENERAL DESCRIPTION: Inboard triple slotted trailing edge flap
extending from WBL 51.38 to WBL 17.800. Used for 30° flap deflection.

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NO.: S.O. 1065-43 -45, -123

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>26.38</u>	<u>12.662</u>
Chord (equivalent)		
Main Flap	<u>8.83</u>	<u>4.24</u>
Fore Flap	<u>3.42</u>	<u>1.640</u>
Aft Flap	<u>3.52</u>	<u>1.688</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP - F9.2

GENERAL DESCRIPTION: Outboard triple slotted trailing edge flap extending from WBL 20.60 to WBL 32.88. Used for 30° flap deflection.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-32, -33, -123

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>25.58</u>	<u>12.28</u>
Chord (equivalent)		
Main flap		
Inboard	<u>6.90</u>	<u>3.313</u>
Outboard	<u>5.15</u>	<u>2.470</u>
Fore flap		
Inboard	<u>2.50</u>	<u>1.200</u>
Outboard	<u>2.04</u>	<u>0.980</u>
Aft flap		
Inboard	<u>2.79</u>	<u>1.341</u>
Outboard	<u>2.03</u>	<u>.974</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: LANDING GEAR - G5.3.5

GENERAL DESCRIPTION: Landing Gear; Full Length Struts, Oleo Extended,
all Doors On. Mounting Brackets All Flush With Body

MODEL SCALE: 0.40

MODEL: 1065

DRAWING NUMBER: S.O. 1065-103, -104, -105, -108, -196, 1284-197

DIMENSIONS:

MODEL SCALE

LANDING GEAR
STRUT

	Nose	Main Wing	Main Body
Number	1	2	2
Diameter in.	.5	.5	.5
Length in.			
Exposed	4.0	6.12	3.47
Pivot Point to Wheel Axis	3.67	5.72	3.07

WHEELS

Number	2	8	8
Diameter in.	1.84	1.84	1.84
Width in.	.64	.64	.64
Axis Location in.			
B.S.	15.60	53.70	58.50
B.L.	0	8.68	3.00
W.L.	.49	.16	.16

DOORS

Side

Number	2	2	2(inbd)	2(outbd)
Length in.	2.45	2.32	3.66	1.56
Height in.	.94	3.89	2.32	.92

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HORIZONTAL - H_{15.1}

GENERAL DESCRIPTION: Swept leading edge horizontal tail mounted on the fuselage with the variable incidence pivot axis located at MS 103.76 and WL 11.70

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NUMBER: 65-74129

DIMENSIONS:

	<u>FULL SCALE</u> <u>Feet</u>	<u>MODEL SCALE</u> <u>Inches</u>
TOTAL DATA		
Area		
Planform	<u>1470.0 sq.ft.</u>	<u>2.35 sq.ft.</u>
Span (equivalent)	<u>72.75</u>	<u>34.92</u>
Aspect Ratio	<u>3.6</u>	<u>3.6</u>
Taper Ratio	<u>0.25</u>	<u>0.25</u>
Dihedral Angle, degrees	<u>7</u>	<u>7</u>
Incidence Angle, degrees	<u>VARIABLE</u>	<u>VARIABLE</u>
Sweep Back Angles, degrees		
Leading Edge	<u>43</u>	<u>43</u>
Trailing Edge		
0.25 Element Line	<u>37.5</u>	<u>37.5</u>
Chords:		
Root (Wing Sta. 0.0)	<u>32.33</u>	<u>15.520</u>
Tip, (equivalent)	<u>7.92</u>	<u>3.802</u>
MAC	<u>271.6 in.</u>	<u>10.864</u>
Fus. Sta. of .25 MAC	<u>2564 in.</u>	<u>102.56</u>
W.P. of .25 MAC	<u>311.25 in.</u>	<u>12.45</u>
B.L. of .25 MAC	<u>178.30 in.</u>	<u>7.132</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: HORIZONTAL - H15.6.1

GENERAL DESCRIPTION: H15.1 with 200 sq. ft. tip fins mounted on the horizontal at HBL 17.22 in vertical plane at BBL 17.09 with a streamlined strut fairing.

747 MODEL SCALE: 0.040

MODEL: 1065, 1284

DRAWING NO.: S.O. 1284-78, -80, -70, -187

DIMENSIONS: (One fin)

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Area	<u>200 sq. ft.</u>	<u>46.1 sq. in.</u>
Chord	<u>9.54</u>	<u>1.582</u>
Span	<u>20.96</u>	<u>10.06</u>
Max. Thickness	<u>0.86</u>	<u>0.412</u>
Strut Fairing		
Chord	<u>2.64</u>	<u>1.267</u>
Thickness	<u>.40</u>	<u>.190</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLAT - J_{11.10.2}

GENERAL DESCRIPTION: Leading edge flap located between the inboard and outboard nacelle struts. The outboard end was sealed to the outboard nacelle strut with wax.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-64, -96, -127

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>30.33</u>	<u>14.56</u>
Equivalent chord	<u>2.63</u>	<u>1.263</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLAT - J_{13.8.1}

GENERAL DESCRIPTION: Leading edge flap located between the outboard nacelle strut and the wing tip. (WBL 6.491 to WBL 45.696.)

727 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-65, 96-133

DIMENSIONS:

	<u>FULL SCALE</u> <u>Feet</u>	<u>MODEL SCALE</u> <u>Inches</u>
Span (equivalent)	<u>10.18</u>	<u>9.205</u>
Equivalent chord	<u>2.0</u>	<u>0.964</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: KRUEGER - L_{9.8.3}

GENERAL DESCRIPTION: Inboard leading edge Krueger extending from WBL 9.763 to inboard nacelle strut.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-75, -76, -77, -82, -131

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Span (equivalent)	<u>18.83</u>	<u>9.037</u>
Inb'd equivalent chord	<u>2.46</u>	<u>1.183</u>
Outb'd equivalent chord	<u>2.63</u>	<u>1.261</u>
Twist Deg.	<u>9</u>	<u>9</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE STRUT - M₂₅

GENERAL DESCRIPTION: Inboard nacelle strut located at WBL 18.80 at the wing leading edge.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-31, -42, -46

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Canted inboard. deg.	<u>2</u>	<u>2</u>
For use with		<u>N₅₇ & N₇₇</u>
WBL location		<u>18.800</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE STRUT - M₂₆

GENERAL DESCRIPTION: Outboard nacelle strut located at the wing leading edge.

747 MODEL SCALE: 0.040

MODEL: 1065

DRAWING NO.: S.O. 1065-31, -42, -46, -350

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Canted inboard, deg.	<u>2</u>	<u>2</u>
WBL location		<u>33.360</u>
For use with		<u>N₅₇ & N₇₈</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE - N₅₇

GENERAL DESCRIPTION: Flow-through inboard 747-100 nacelle mounted on nacelle strut at WBL 19.761. Nacelle centerline canted inboard 2°.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: S.O. 1065-15, -46, -314, -315

<u>DIMENSIONS: - FT.</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length:		
Cowl	<u>8.6</u>	<u>.344</u>
Cowl + Engine	<u>17.9</u>	<u>.716</u>
Max diameter	<u>8.5</u>	<u>.340</u>
Hilite diameter	<u>7.3</u>	<u>.292</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: NACELLE - N₅₈

GENERAL DESCRIPTION: Flow-through outboard 747-100 nacelle mounted on strut at WBL 33.960. Nacelle centerline cented 2° inboard.

MODEL SCALE: 0.040 MODEL: 1065

DRAWING NUMBER: S.O. 1065-15, -46, -314, -315

<u>DIMENSIONS:</u> - FT,	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length:		
Cowl	<u>8.6</u>	<u>.344</u>
Cowl + Engine	<u>17.9</u>	<u>.716</u>
Max diameter	<u>8.5</u>	<u>.340</u>
Hilite diameter	<u>7.3</u>	<u>.292</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SPOILERS - S_{1-12}

GENERAL DESCRIPTION: Multi-panel flight spoilers. Four outboard and two inboard spoilers per side. Subscript denotes spoiler panel S_1 is the most outboard L.H. panel and S_{12} is most outboard R.H. panel.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: 65-71450, S.O. 1065-51, -59, -81, -173

DIMENSIONS: (One panel)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Feet</u>	<u>Inches</u>
Outboard S_{1-4} and S_{9-12} (Ft^2)	<u>21.48</u>	<u>0.034</u>
Span (equivalent)	<u>6.25</u>	<u>3.00</u>
Chord	<u>3.44</u>	<u>1.65</u>
Inboard S_{5-6} and S_{7-8} (Ft^2)	<u>35.31</u>	<u>.0565</u>
Span (equivalent)	<u>7.50</u>	<u>3.60</u>
Chord	<u>4.71</u>	<u>2.26</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: FLAP TRACK FAIRING - T₁₄

GENERAL DESCRIPTION: Fairings located at WBL 9.408, 14.120, 23.299 and 29.753.

747 MODEL SCALE: 0.040 MODEL: 1065

DRAWING NO.: S.O. 1065-84, -124, -135

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Inches</u>	<u>Inches</u>
WBL locations	<u>235.2</u>	<u>9.408</u>
	<u>353.0</u>	<u>14.120</u>
	<u>584.98</u>	<u>23.399</u>
	<u>743.83</u>	<u>29.753</u>
Use with clean wing and		<u>F8.1</u>
		<u>F8.2</u>
		<u>F9.1</u>
		<u>F9.2</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V9.1.2

GENERAL DESCRIPTION: Swept vertical tail mounted on fuselage center-line.

MODEL SCALE: 0.040

DRAWING NUMBER: 65-74142, S.O. 1065-6, -359, -426, S.O. 1284-182

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft^2	<u>830</u>	<u>1.328</u>
Planform		
Span (Theo) - In.	<u>386.50</u>	<u>15.46</u>
Aspect Ratio	<u>1.25</u>	<u>1.25</u>
Taper Ratio	<u>0.34</u>	<u>0.34</u>
Sweep-Back Angles, Degrees		
Leading Edge	<u>50.125</u>	<u>50.125</u>
Trailing Edge	<u>67.813</u>	<u>67.813</u>
Chords:		
Root (Theo) WP	<u>461.55</u>	<u>18.478</u>
Tip (Theo) WP	<u>156.93</u>	<u>6.277</u>
MAC	<u>334.16</u>	<u>13.37</u>
Fus. Sta. of .25 MAC	<u>2529.91</u>	<u>101.197</u>
W.L. of .25 MAC	<u>528.0</u>	<u>21.12</u>
B.L. of .25 MAC	<u>0</u>	<u>0</u>

TABLE III a. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: WING W₄₅

GENERAL DESCRIPTION: Swept wing of the 747-100 Airplane

747 MODEL SCALE: .040 MODEL: 1065

DRAWING NUMBER: 65-71450, 65-71436, 65-71449

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
	<u>Inches</u>	<u>Inches</u>
Area		
Planform	<u>5500 Ft²</u>	<u>8.80 Ft²</u>
Span (equivalent)	<u>195.67 Ft</u>	<u>93.92</u>
Aspect Ratio	<u>6.96</u>	<u>6.96</u>
Taper Ratio	<u>0.356</u>	<u>0.356</u>
Dihedral Angle, degrees	<u>7</u>	<u>7</u>
Incidence Angle, degrees	<u>2</u>	<u>2</u>
Sweep Back Angles, degrees		
Leading Edge	<u>42.30</u>	<u>42.30</u>
0.25 Element Line	<u>37.5</u>	<u>37.5</u>
Chords:		
Root (Wing Sta. 0.0)	<u>652.0</u>	<u>26.081</u>
Tip (equivalent)	<u>160.0</u>	<u>6.40</u>
MAC	<u>327.78</u>	<u>13.112</u>
Fus. of .25 MAC	<u>1339.91</u>	<u>53.596</u>
W.P. of .25 MAC	<u>190.75</u>	<u>7.63</u>
B.L. of .25 MAC	<u>490.35</u>	<u>19.614</u>

TABLE III. MODEL DIMENSIONAL DATA (Continued)
b. Orbiter

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Configuration 140A/B Orbiter fuselage

NOTE: B₂₆ is identical to B₂₄ except underside of fuselage has been refaired to accept W₁₁₆.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-101185 RELEASE: 3

DRAWING NUMBER: VL70-000143B, -000200, -000205, -006089, -000145,
VL70-000140A, -000140B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OML: Fwd Sta $X_0 = 235$), In.	<u>1293.3</u>	<u>52.379</u>
Length (IML: Fwd Sta $X_0 = 238$), In.	<u>1290.3</u>	<u>52.257</u>
Max Width (@ $X_0 = 1528.30$), In.	<u>264.0</u>	<u>10.692</u>
Max Depth (@ $X_0 = 1464$), In.	<u>250.0</u>	<u>10.125</u>
Fineness Ratio	<u>0.26357</u>	<u>0.26357</u>
Area - Ft ²		
Max. Cross-Sectional	<u>340.88</u>	<u>0.559</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: CANOPY - C₉

GENERAL DESCRIPTION: Configuration 3A. Canopy used with fuselage B₂₆.

MODEL SCALE: 0.0405

MODEL DRAWING: SS-400147; RELEASE 12

DRAWING NUMBER: VL70-000143A

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 434.643$ to 578), In.	<u>143.357</u>	<u>5.806</u>
Max Width (@ $X_0 = 513.127$),	<u>152.412</u>	<u>6.173</u>
Max Depth (@ $X_0 = 485.0$)	<u>25.000</u>	<u>1.013</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SLOTTED ELEVON (6-INCH GAP) - E₄₄

GENERAL DESCRIPTION: Configuration 140A/B orbiter elevon.

NOTE: E₄₄ is a slotted version of E₂₆. Data are for one side.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000200, -006089, -006092

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area, Ft ²	<u>210.0</u>	<u>0.344</u>
Span (equivalent). In.	<u>349.2</u>	<u>14.143</u>
Inb'd equivalent chord, In.	<u>118.004</u>	<u>4.779</u>
Outb'd equivalent chord, In.	<u>55.192</u>	<u>2.2353</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.0</u>	<u>0.0</u>
Area Moment (Product of Area & \bar{c}) Ft ³	<u>1587.25</u>	<u>0.105</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>3.673</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: BODY FLAP - F8

GENERAL DESCRIPTION: Configuration 140A/B orbiter body flap. Hinge-line located at $X_0 = 1532.0$. $Z_0 = 287.0$

MODEL SCALE: 0.0405 MODEL DRAWING: SS-A00147. RELEASE 12

DRAWING NUMBER: VL70-000140A, VL70-000145

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length ($X_0 = 1521.4$ to $X_0 = 1613$)	<u>91.60</u>	<u>3.71</u>
Max Width, In.	<u>262.00</u>	<u>10.61</u>
Max Depth (@ $X_0 = 1520$), In.	<u>23.00</u>	<u>0.93</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>150.525</u>	<u>0.246</u>
Wetted	<u> </u>	<u> </u>
Base	<u>41.84722</u>	<u>0.069</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C

Orbiter OMS pod - short pod.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-008401, VL70-008410

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. $X_o = 1310.5$), In.	<u>258.50</u>	<u>10.469</u>
Max Width (@ $X_o = 1511$), In.	<u>136.8</u>	<u>5.540</u>
Max Depth (@ $X_o = 1511$), In.	<u>74.70</u>	<u>3.025</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft ²		
Max. Cross-Sectional	<u>58.864</u>	<u>0.0966</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: MPS NOZZLES - N₂₄

GENERAL DESCRIPTION: Configuration 140A/B orbiter MPS nozzles.

MODEL SCALE: 0.0405 MODEL DRAWING: SS-A00147, RELEASE 12

DRAWING NUMBER: VL70-005030A, VL70-000140A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane	<u>157.0</u>	<u>6.36</u>
Throat to Exit Plane	<u>99.2</u>	<u>4.02</u>
Diameter - In.		
Exit	<u>91.00</u>	<u>3.69</u>
Throat	<u> </u>	<u> </u>
Inlet	<u> </u>	<u> </u>
Area - Ft ²		
Exit	<u>45.166</u>	<u>.07408</u>
Throat	<u> </u>	<u> </u>
Gimbal Point (Station) - In.		
Upper Nozzle		
X _o	<u>1445.</u>	<u>58.52</u>
Y _o	<u>0</u>	<u>0</u>
Z _o	<u>443</u>	<u>17.94</u>
Lower Nozzle		
X _o	<u>1468.17</u>	<u>59.46</u>
Y _o	<u>± 53.00</u>	<u>± 2.15</u>
Z _o	<u>342.640</u>	<u>13.88</u>
Null Position - Deg.		
Upper Nozzle		
Pitch	<u>16°</u>	<u>16°</u>
Yaw	<u>0°</u>	<u>0°</u>
Lower Nozzle		
Pitch	<u>10°</u>	<u>10°</u>
Yaw	<u>3.5°</u>	<u>3.5°</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: OMS NOZZLES - N₂₈

GENERAL DESCRIPTION: Configuration 140A/B orbiter OMS nozzles

MODEL SCALE: 0.0405

SS-A00106. RELEASE 5 (Contour)

DRAWING NUMBER: VL70-000140A (Location)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - Ft ²		
Exit		
Throat		
Gimbal Point (station) - In.		
Left Nozzle		
X _o	1518.00	61.48
Y _o	-88.0	-3.56
Z _o	492.00	19.93
Right Nozzles		
X _o	1518.00	61.48
Y _o	88.00	3.56
Z _o	492.0	19.93
Null Position - Deg.		
Left Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'
Right Nozzle		
Pitch	15°49'	15°49'
Yaw	12°17'	12°17'

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to configuration 140A/B rudder)

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000146B, VL70-000095

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.1643</u>
Span (equivalent), In.	<u>201.00</u>	<u>8.141</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>3.709</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>2.059</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles. degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Product of area & \bar{c}) Ft ³	<u>610.92</u>	<u>0.0406</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>2.965</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: SS - SUGAR SCOOPS

GENERAL DESCRIPTION: Two deflector vanes located above the MPS top center nozzle. Vanes are simulated by flat plates attached to a strut which mounts on the MPS nozzle aft surface.

MODEL SCALE: .0405

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Vane width, in.	<u>24.7</u>	<u>1.0</u>
Vane height, in.	<u>37.0</u>	<u>1.5</u>
Vane incidence angle to strut, deg.	<u>45</u>	<u>45</u>
Strut incidence to nozzle exit plane, deg.	<u>16</u>	<u>16</u>
Strut cant from orbiter centerline, deg.	<u>10</u>	<u>10</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: TC₁₉ UPSWEPT BEAVER TAIL - ORBITER TAILCONE

GENERAL DESCRIPTION: An orbiter tail fairing tapering to a rounded aft end in the horizontal plane.

Orbiter (0.0405 Scale)

DRAWING NUMBER: BCD-V70-30-330

DIMENSIONS	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	<u>34.96 Ft</u>	<u>16.99 In.</u>
Max Width	<u>25.0 Ft</u>	<u>12.15 In.</u>
Max Height	<u>22.22 Ft</u>	<u>10.80 In.</u>
Tailcone Width at Aft Tip	<u>4.12 Ft</u>	<u>2.0 In.</u>

TABLE III b. MODEL DIMENSIONAL DATA (Continued)

MODEL COMPONENT: VERTICAL - V8

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail
(identical to configuration 140A/B vertical tail)

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140C, VL70-000146B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	413.253	0.678
Span (Theo) - In.	315.72	12.787
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.404	0.404
Sweep-Back Angles, Degrees		
Leading Edge	45.00	45.00
Trailing Edge	26.25	26.25
0.25 Element Line	41.13	41.13
Chords:		
Root (Theo) WP	268.50	10.874
Tip (Theo) WP	108.47	4.393
MAC	199.81	8.092
Fus. Sta. of .25 MAC	1463.35	59.272
W.P. of .25 MAC	635.52	25.738
B.L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle - Deg.	10.00	10.00
Trailing Wedge Angle - Deg.	14.92	14.92
Leading Edge Radius	2.00	0.0810
Void Area	13.17	0.022
Blanketed Area	0.0	0.0

TABLE III b. MODEL DIMENSIONAL DATA (Concluded)

MODEL COMPONENT: WING-W116

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W114 except airfoil thickness. Dihedral angle is a long trailing edge of wing.

MODEL SCALE: 0.0405

TEST NO.

DWG. NO.: VL70-000140A, -000200

DIMENSIONS:

TOTAL DATA

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area (Theo) - Ft ²		
Planform	2690.00	4.412
Span (Theo) - In.	936.68	37.936
Aspect Ratio	2.265	2.265
Rate of Taper	1.177	1.177
Taper Ratio	0.200	0.200
Dihedral Angle, degrees	3.500	3.500
Incidence Angle, degrees	0.500	0.500
Aerodynamic Twist, degrees	+ 3.000	+ 3.000
Sweep Back Angles, degrees		
Leading Edge	45.000	45.000
Trailing Edge	- 10.056	- 10.056
0.25 Element Line	35.209	35.209
Chords:		
Root (Theo) B.P.O.O.	689.24	27.914
Tip (Theo) D.P.	137.85	5.583
MAC	474.81	19.230
Fus.Sta. of .25 MAC	1136.83	46.042
W.P. of .25 MAC	290.58	11.768
B.L. of .25 MAC	182.13	7.376

EXPOSED DATA

Area (Theo) - Ft ²	1751.50	2.873
Span, (Theo) - In. BP108	720.68	29.188
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP10	562.09	22.765
Tip 1.00 b/2	137.85	5.583
MAC	392.83	15.910
Fus. Sta. of .25 MAC	1185.98	48.032
W.P. of .25 MAC	294.30	11.919
B.L. of .25 MAC	251.77	10.197
Airfoil Section (Rockwell Mod NASA)XXXX-64		
Root b/2	0.113	0.113
Tip b/2	0.12	0.12

Data for (1) of (2) Sides

Leading Edge Cuff		
Planform Area - Ft ²	113.18	0.185
Leading Edge Intersects Fus M.L. @ Sta.	500.00	20.250
Leading Edge Intersects Wing @ Sta.	1024.00	41.472

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

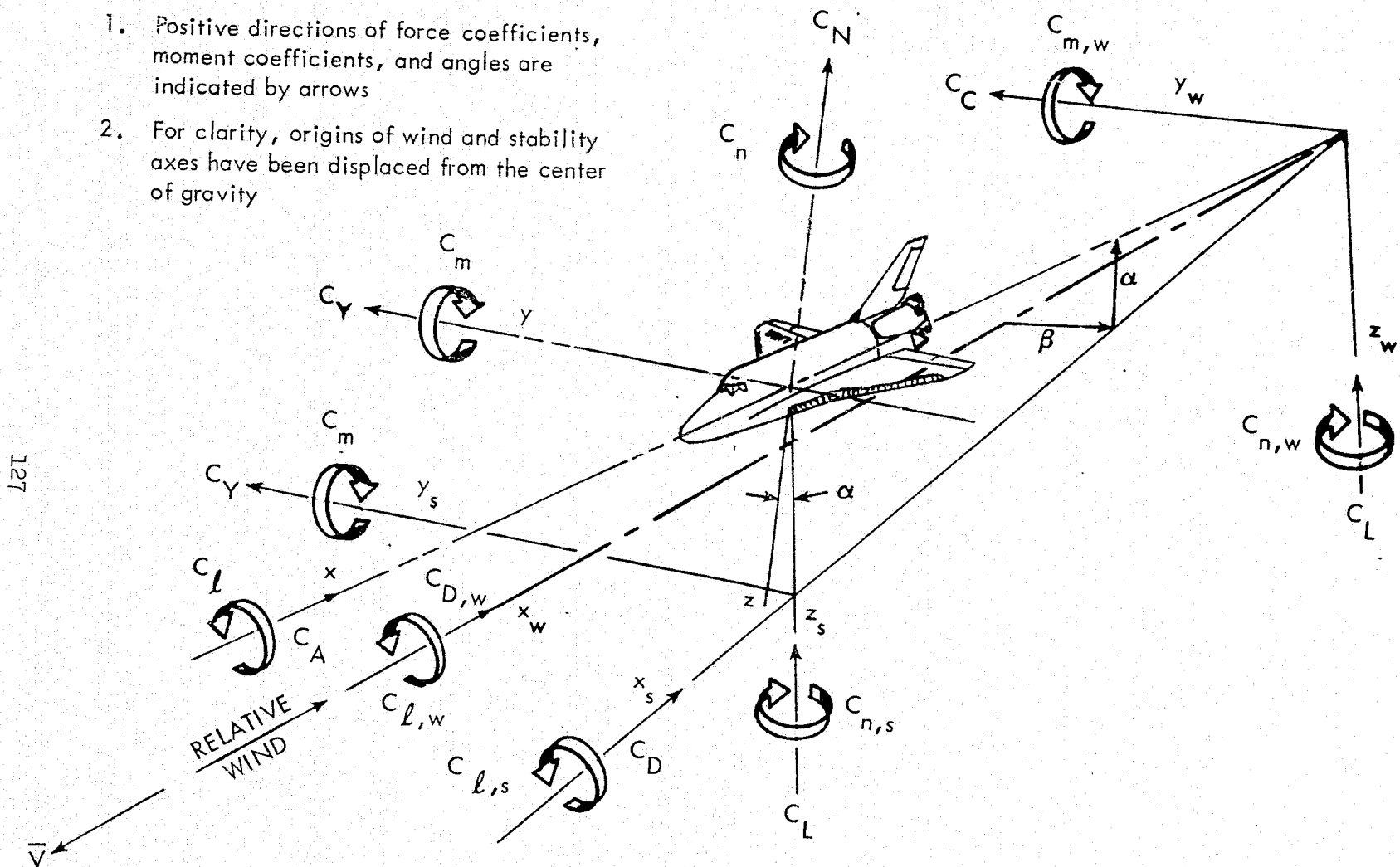
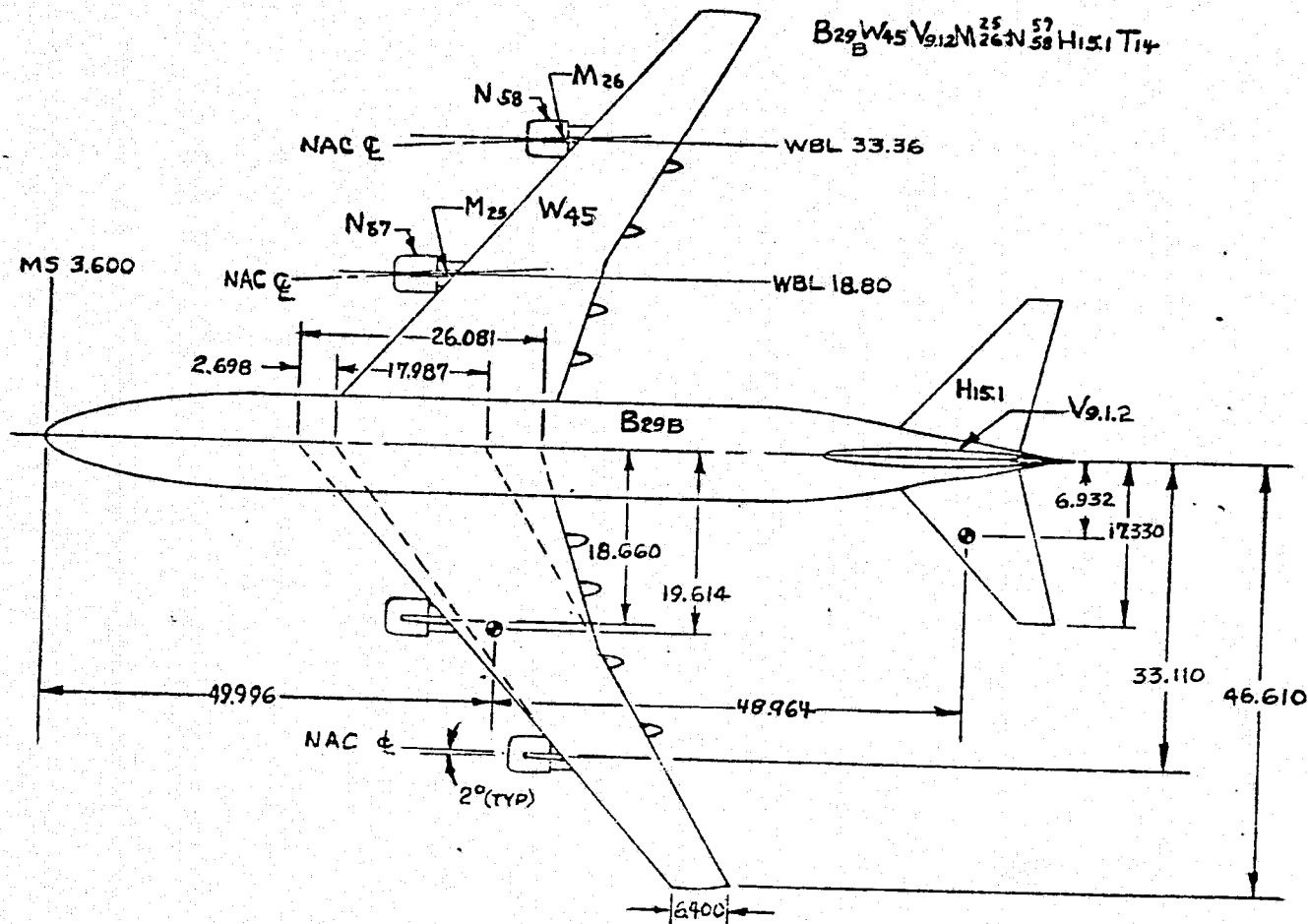


Figure 1. - Axis Systems.

REF: DWG 65-71450
65-71436
65-74129

MODEL PLANFORM

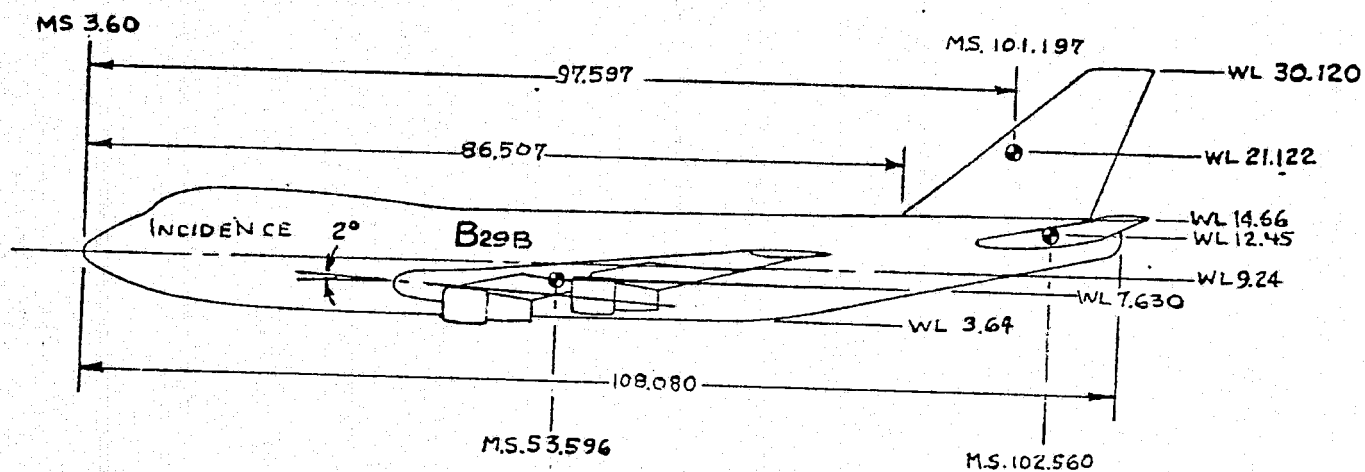
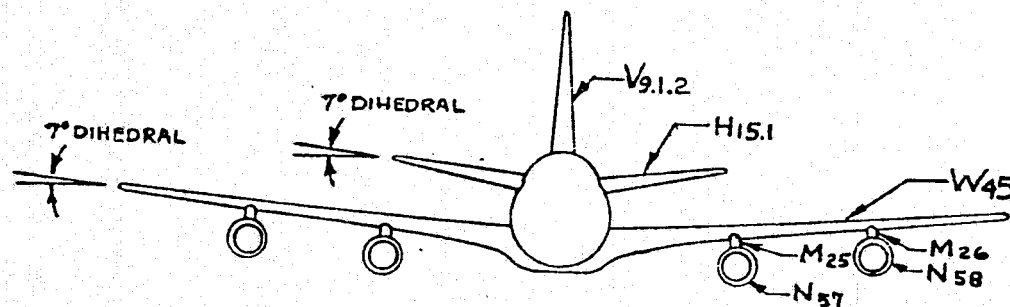
⊙ INDICATES 25 % MAC LOCATION.



a. 747-100 Carrier Planform.
Figure 2. - Model Sketches.

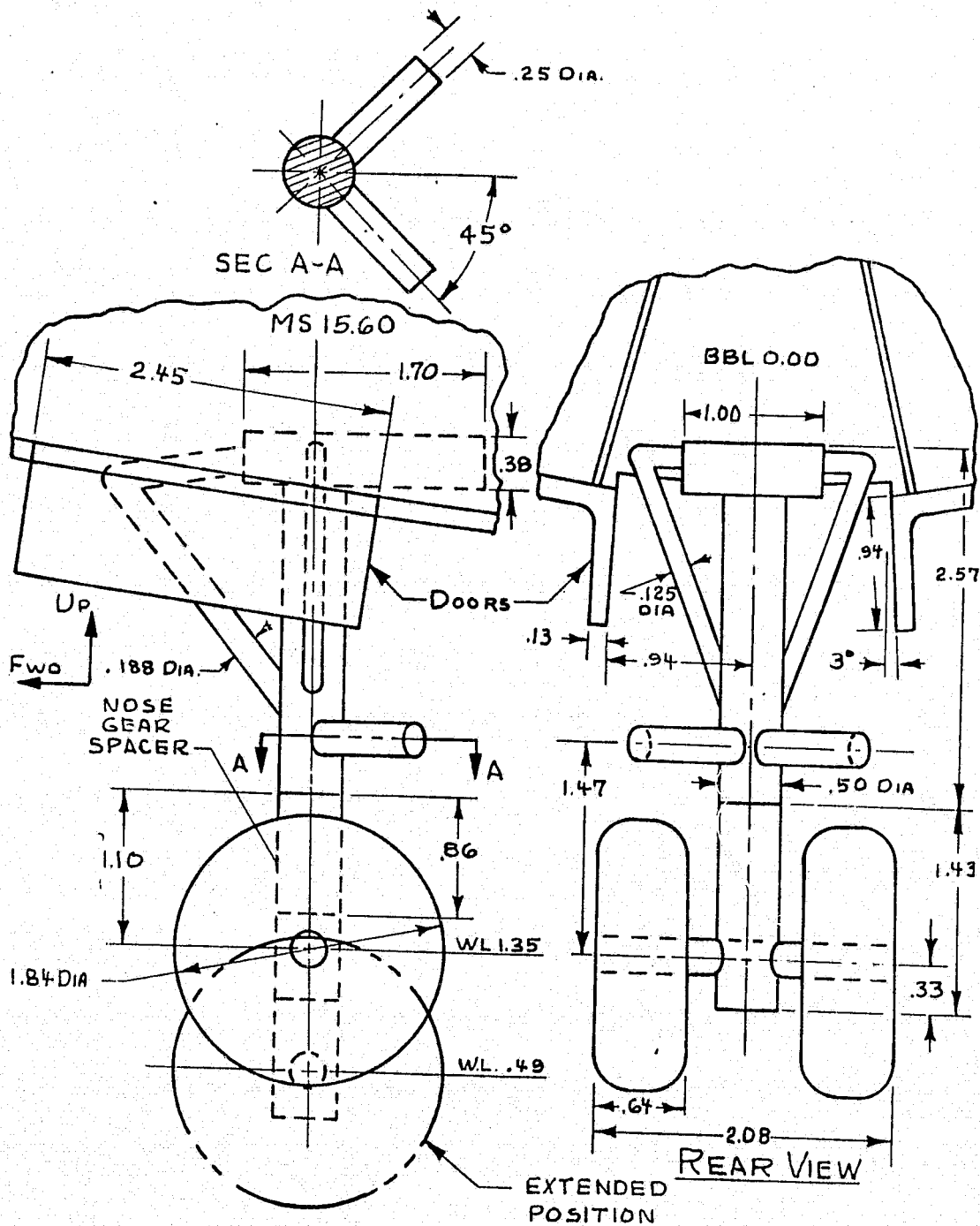
⊙ INDICATES 25% MAC LOCATION

B₂₉W₄₅V_{9.12}M₂₅²⁵N₅₇⁵⁷H_{15.1}T₁₄



b. 747-100 Carrier Front and Side Views.
Figure 2. - (Continued)

REF: DWG 65-71450
65-71456
65-74129



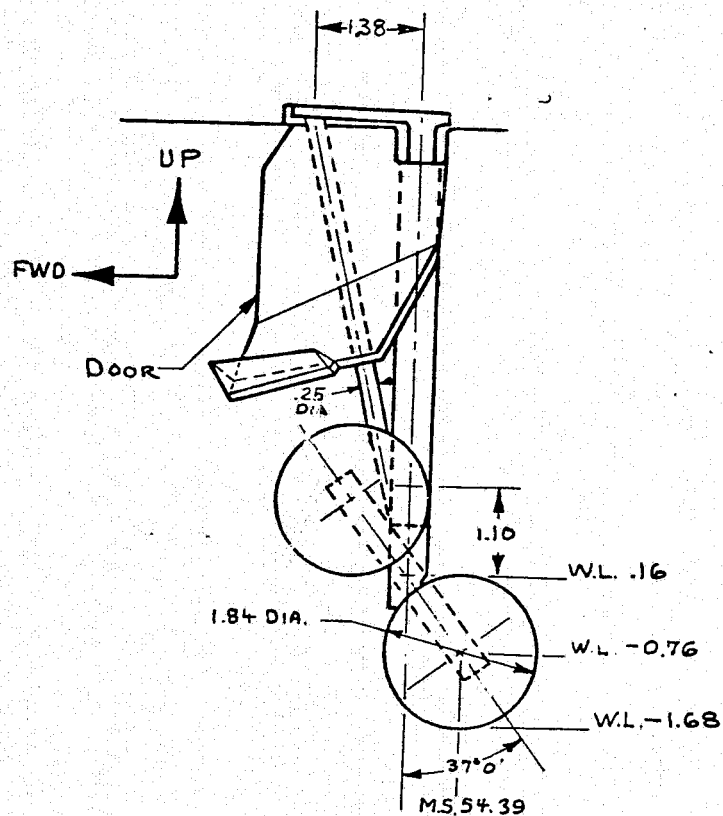
NOSE GEAR-G 5.3.5

B1-76

REF. S.O 1065-101,-108

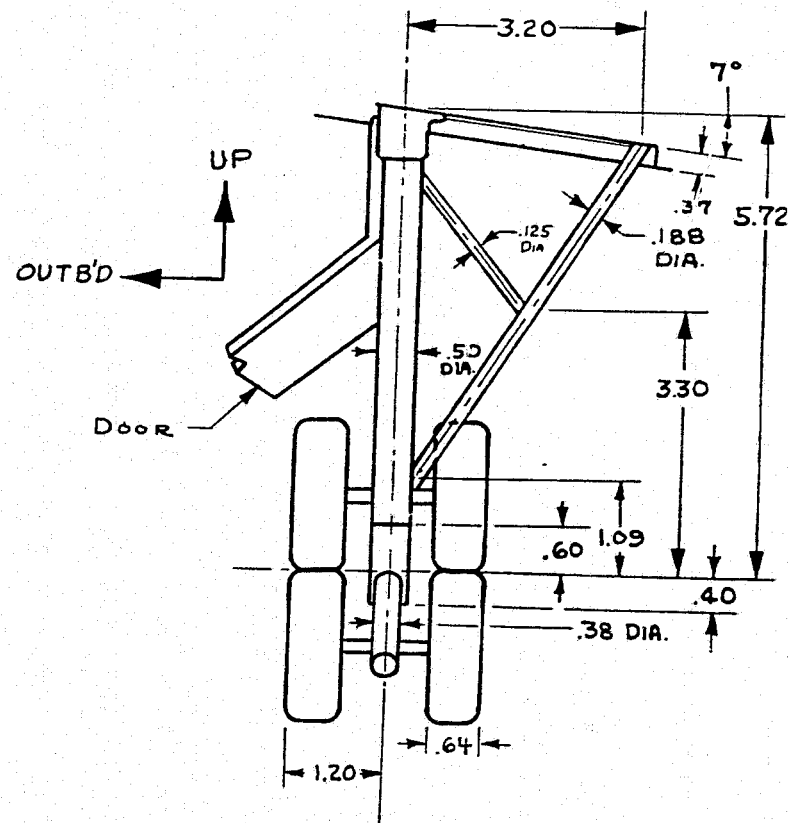
c. 747-100 Carrier Nose Gear.

Figure 2. - (Continued).



MS 53.70

SIDE VIEW



BBL 8.68

REAR VIEW

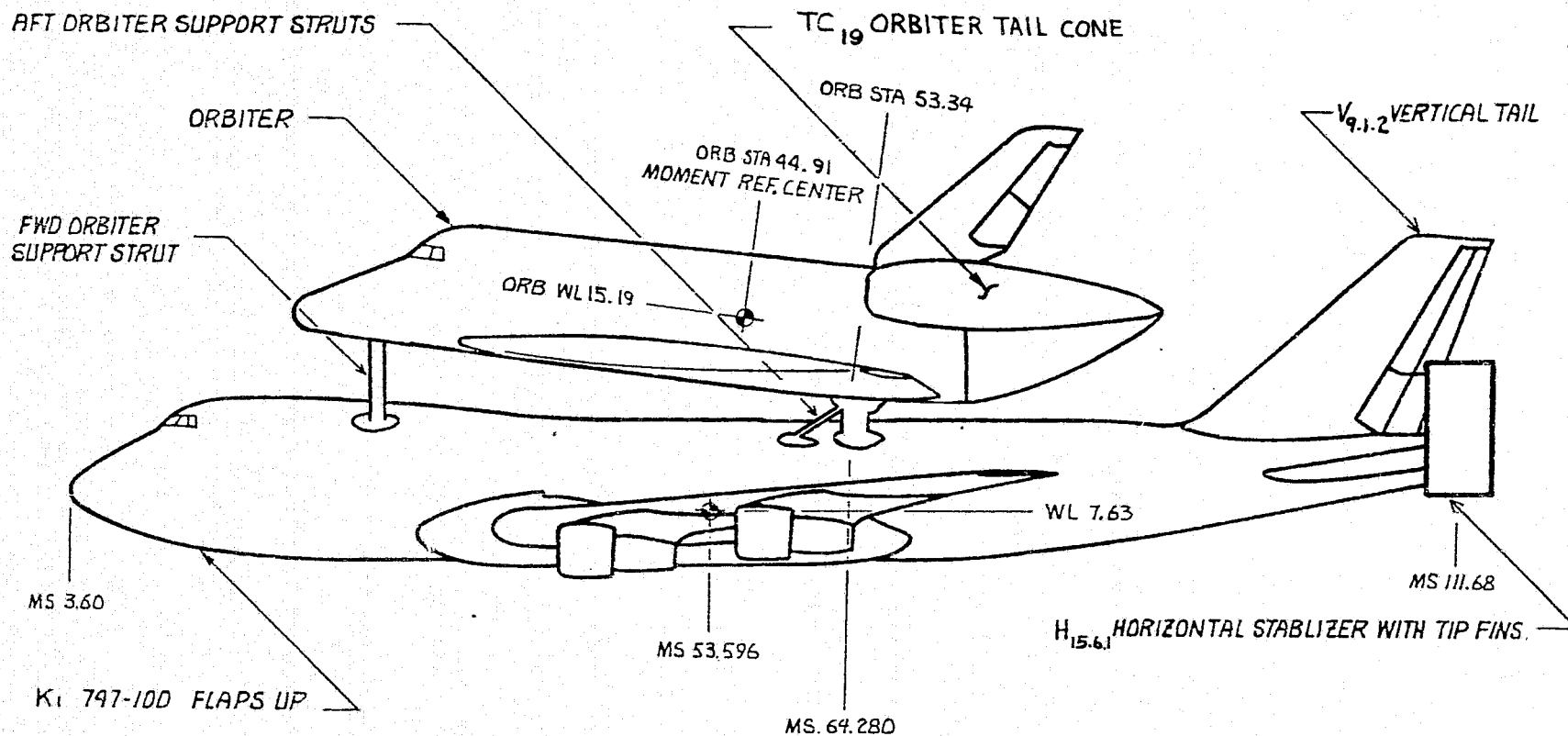
WING LANDING GEAR G5.3.5
(L.H. SHOWN RH OPP.)

REF. S.O 1065-103,-104

d. 747-100 Carrier Wing Landing Gear.

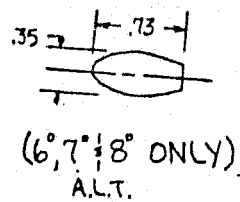
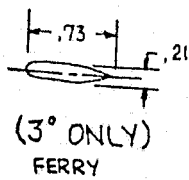
Figure 2. - (Continued).

Figure 2. - (Continued).



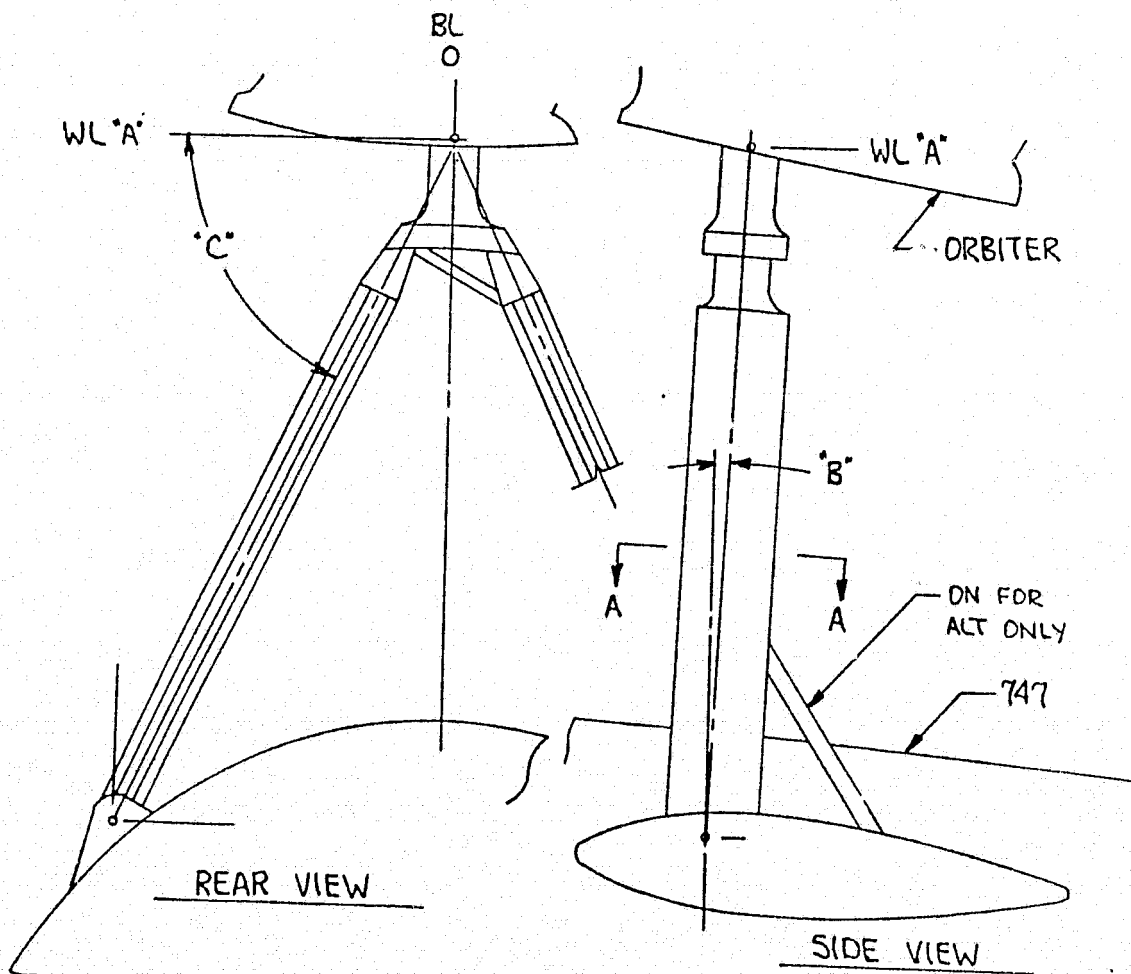
f. 747-100 and Orbiter Space Shuttle Configuration.
Figure 2. - (Continued).

DIMENSIONS IN INCHES



SECTION A-A

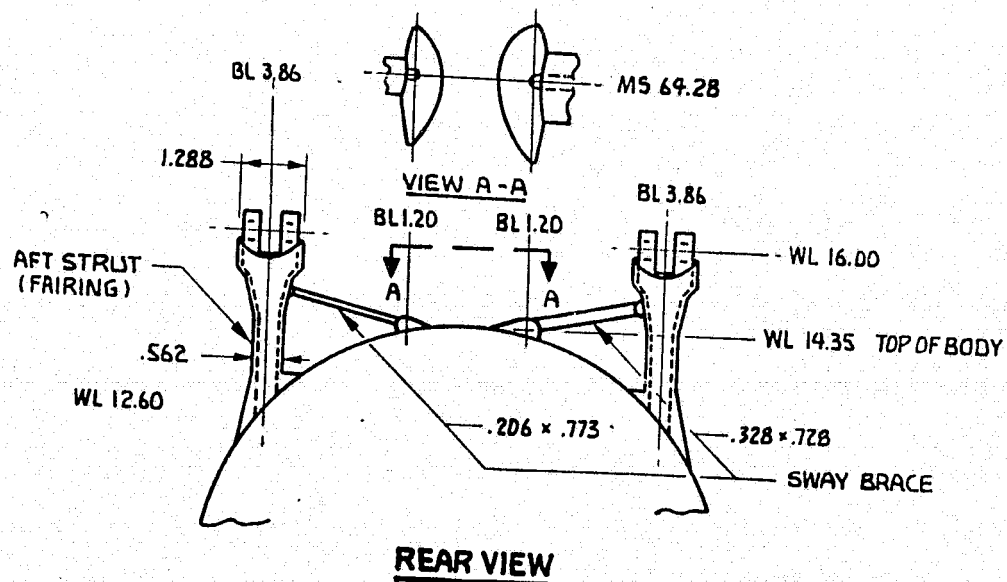
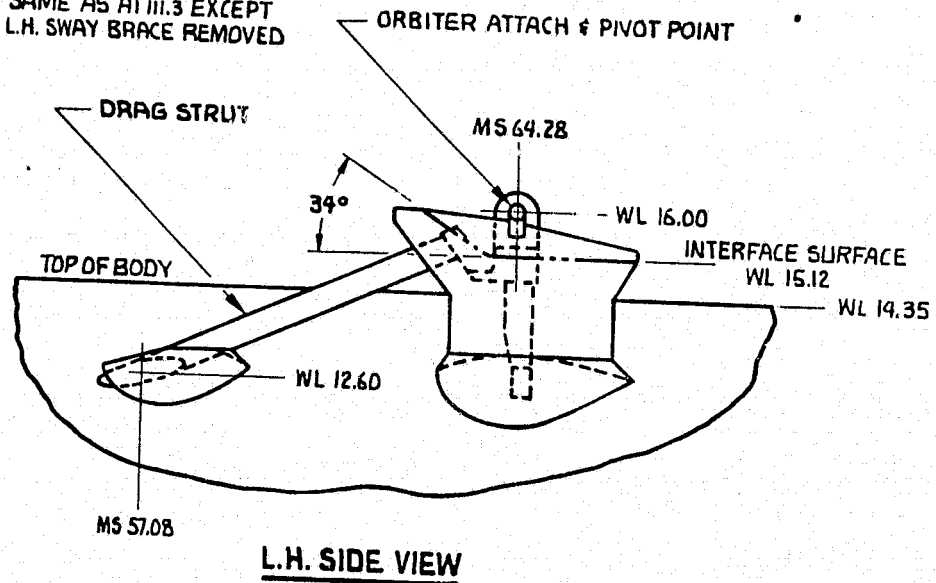
ORB.	WL "A"	ANGLE "B"	ANGLE "C"
3°	18.57	0°-9'	54°-17'
6°	20.51	1°-59'	64°-46'
7°	21.15	2°-33'	67°-05'
8°	21.79	3°-6'	69°-02'



g. Forward Orbiter Support Structure.

Figure 2. - (Continued).

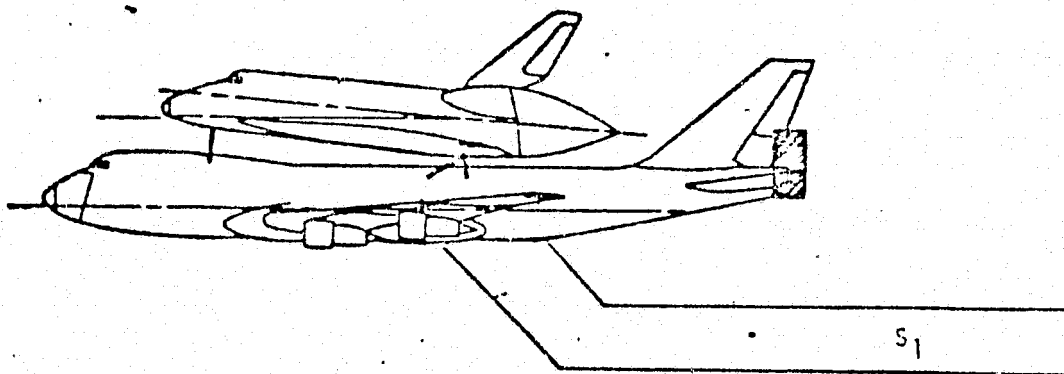
AT III.3 ALT CONFIGURATION
 AT III.4 FERRY CONFIGURATION
 SAME AS AT III.3 EXCEPT
 L.H. SWAY BRACE REMOVED



h. AT_{III.3} and AT_{III.4} Orbiter Aft Attach Structure.

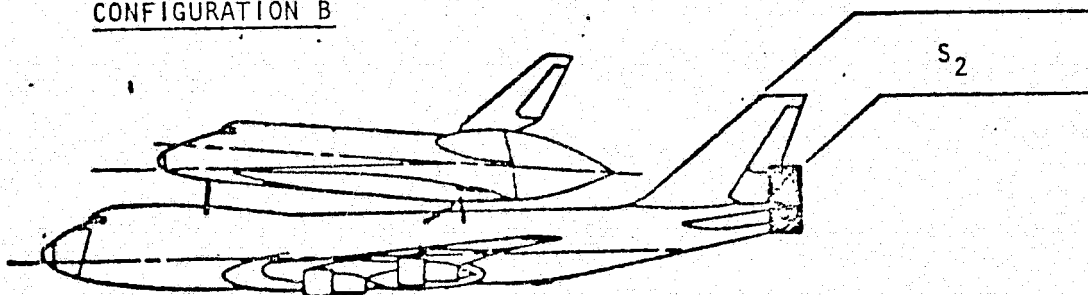
Figure 2. - (Continued).

CONFIGURATION A



Test support configuration for free air testing.

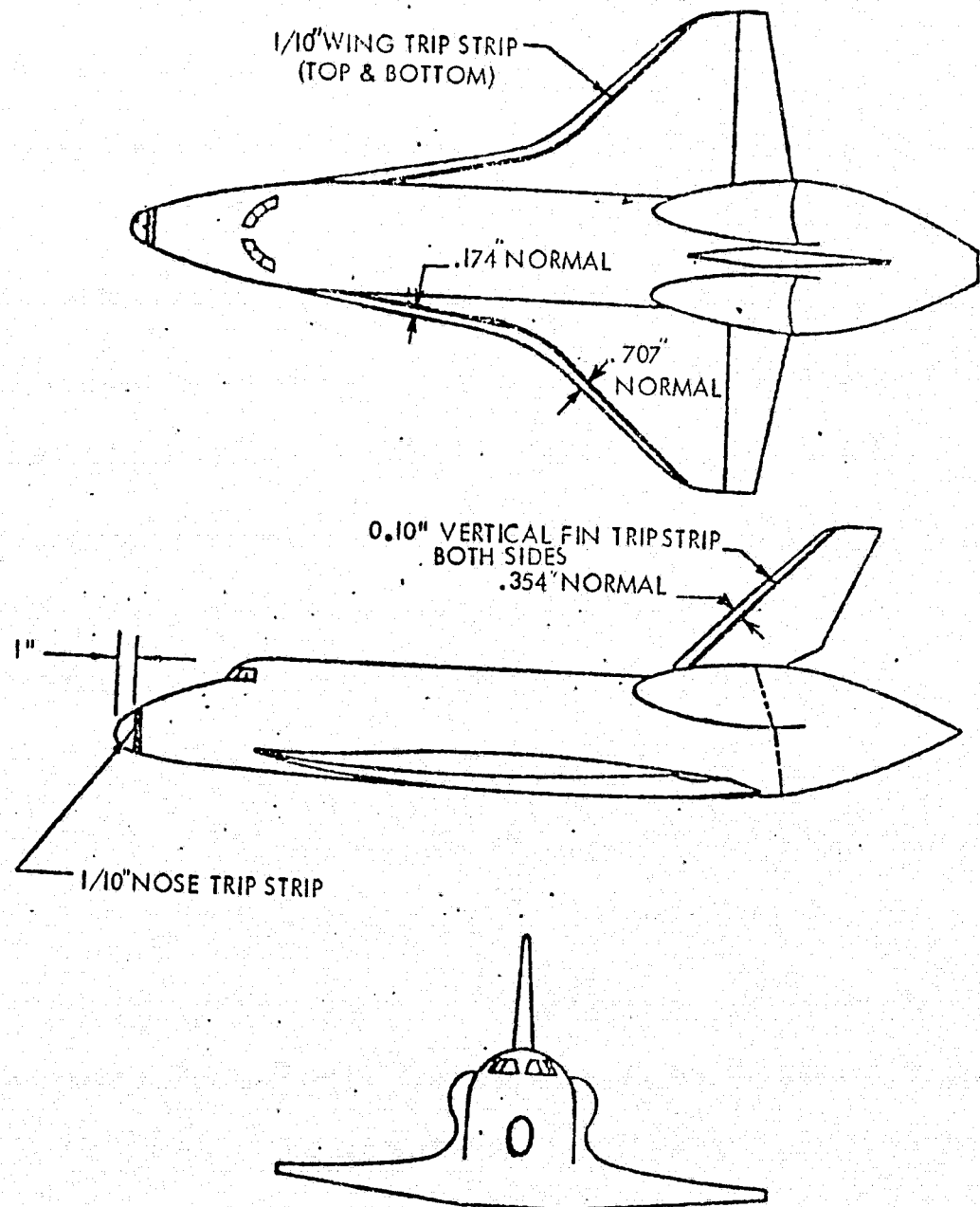
CONFIGURATION B



Test support configuration for ground effect testing.

i. Test Support Configurations.

Figure 2. - (Continued).



ALL TRIP STRIPS #80 GRIT,
40 - 60 GRAINS PER INCH

j. Orbiter Trip Strip Definition.

Figure 2. - (Continued).

TRIP STRIP DEFINITION

747 and 747 CAM

WING

Wing upper and lower surface: 1.25 inches streamwise, 80 grit 40 to 60 grains/inch, 0.1 inch wide.

EMPENNAGE (All surfaces, top and bottom)

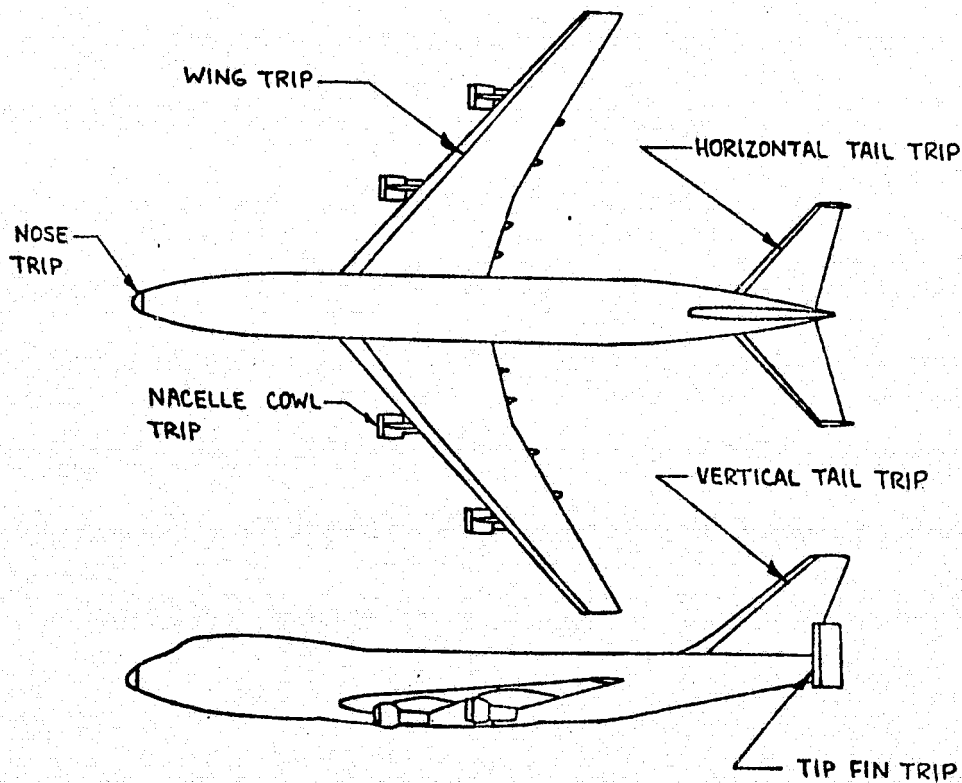
0.5 inch streamwise 0.1 inch wide, 80 grit, 40 to 60 grains/inch.

BODY NOSE

1.25 inch from L.E. 80 grit 0.1 inch wide, 40-60 grains/inch.

NACELLE

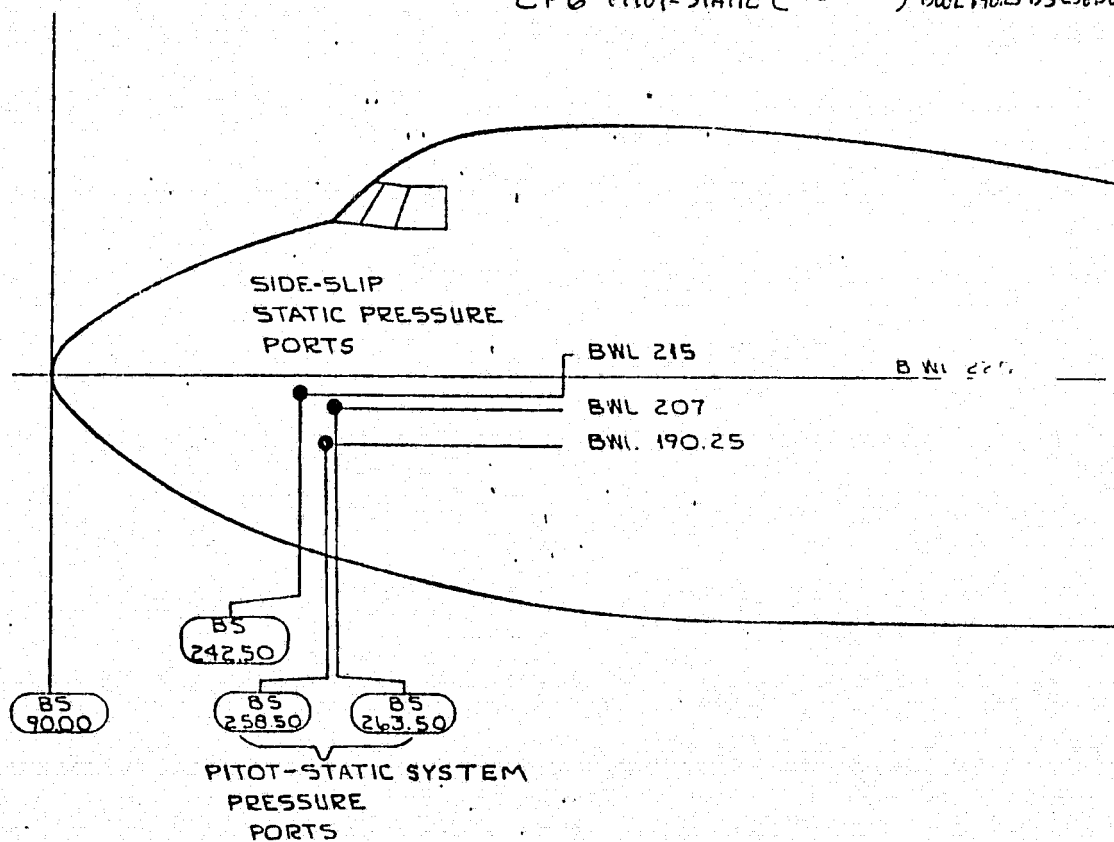
Fan cowl .5 inch from L.E. (inside and outside), 80 grit, 40-60 grains/inch, 0.10 inch wide. Primary, at the fan cowl exit plane, (outside surface only), 80 grit, 40-60 grains/inch, .10 inch wide.



k. 747 CAM Trip Strip Definition.
Figure 2. - (Continued).

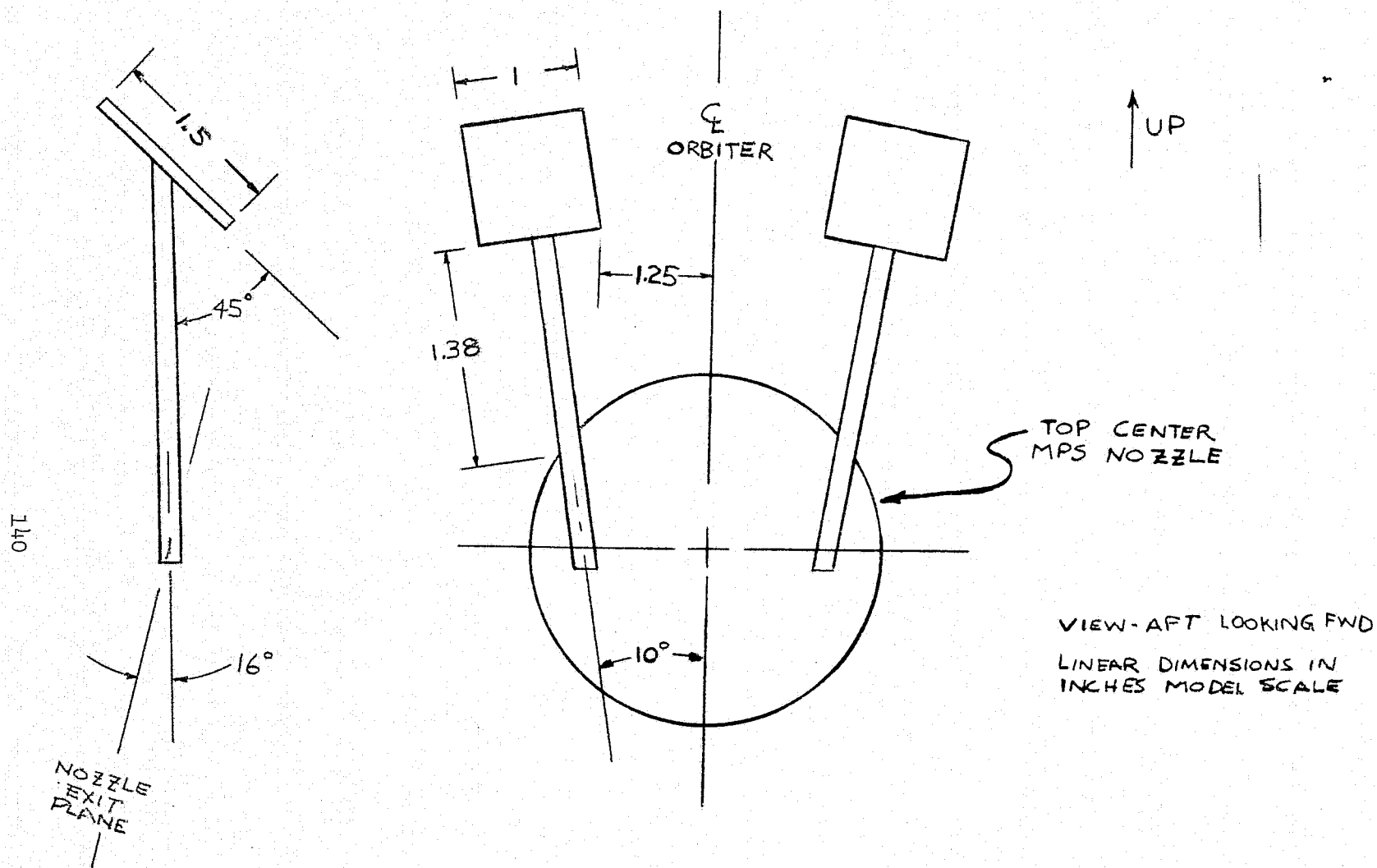
NOT TO SCALE

CP1 SIDE-SLIP (PORT SIDE) BWL 215 BS 242.50
 CP2 PITOT-STATIC (L) BWL 207 BS 263.50
 CP3 PITOT-STATIC (L) BWL 190.25 BS 258.50
 CP4 SIDE-SLIP (STARBOARD SIDE) BWL 215 BS 242.50
 CP5 PITOT-STATIC (L) BWL 207 BS 263.50
 CP6 PITOT-STATIC (L) BWL 190.25 BS 258.50

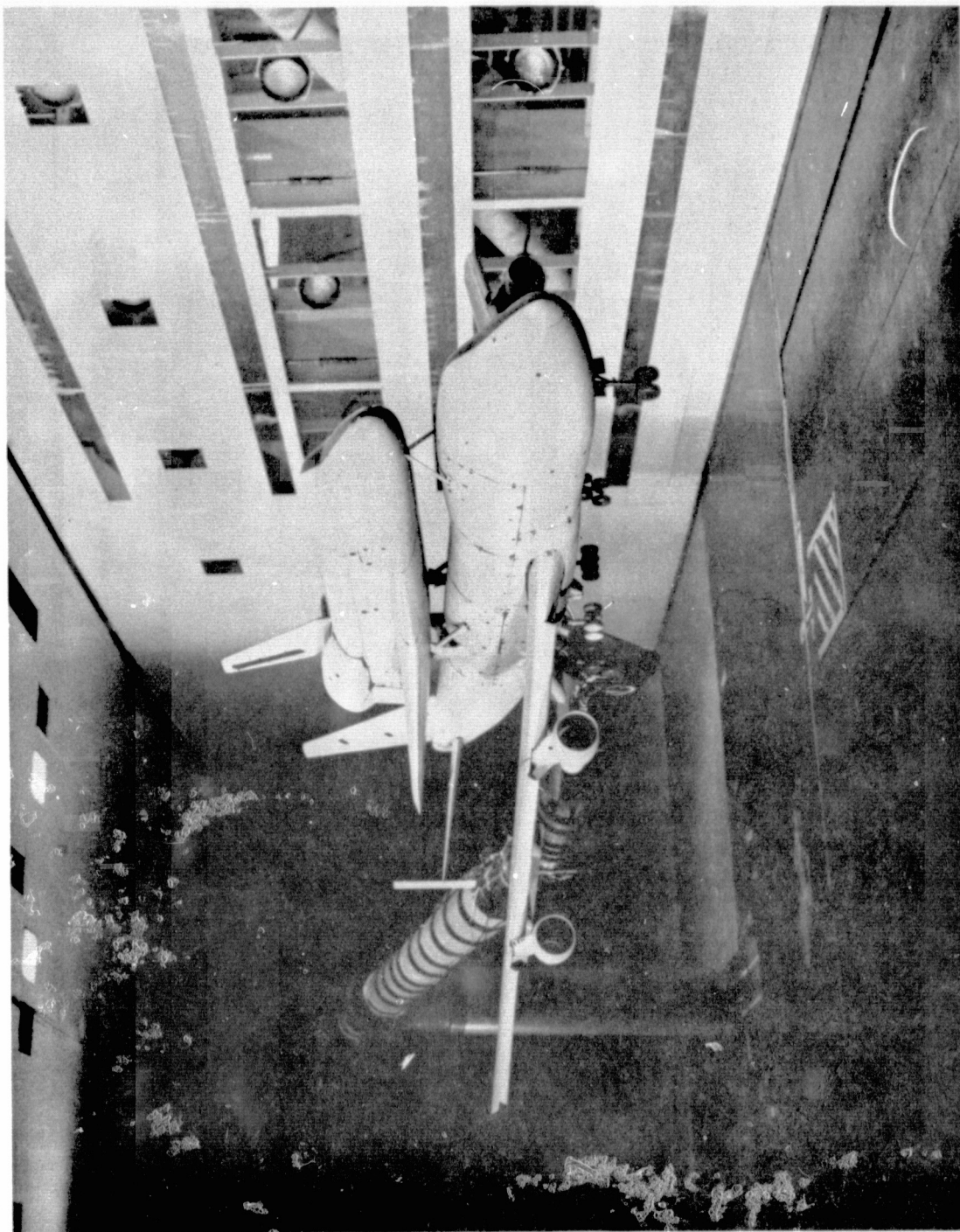


2. Static Pressure Port Locations on the Forebody of the 747 Model.

Figure 2. - (Continued).

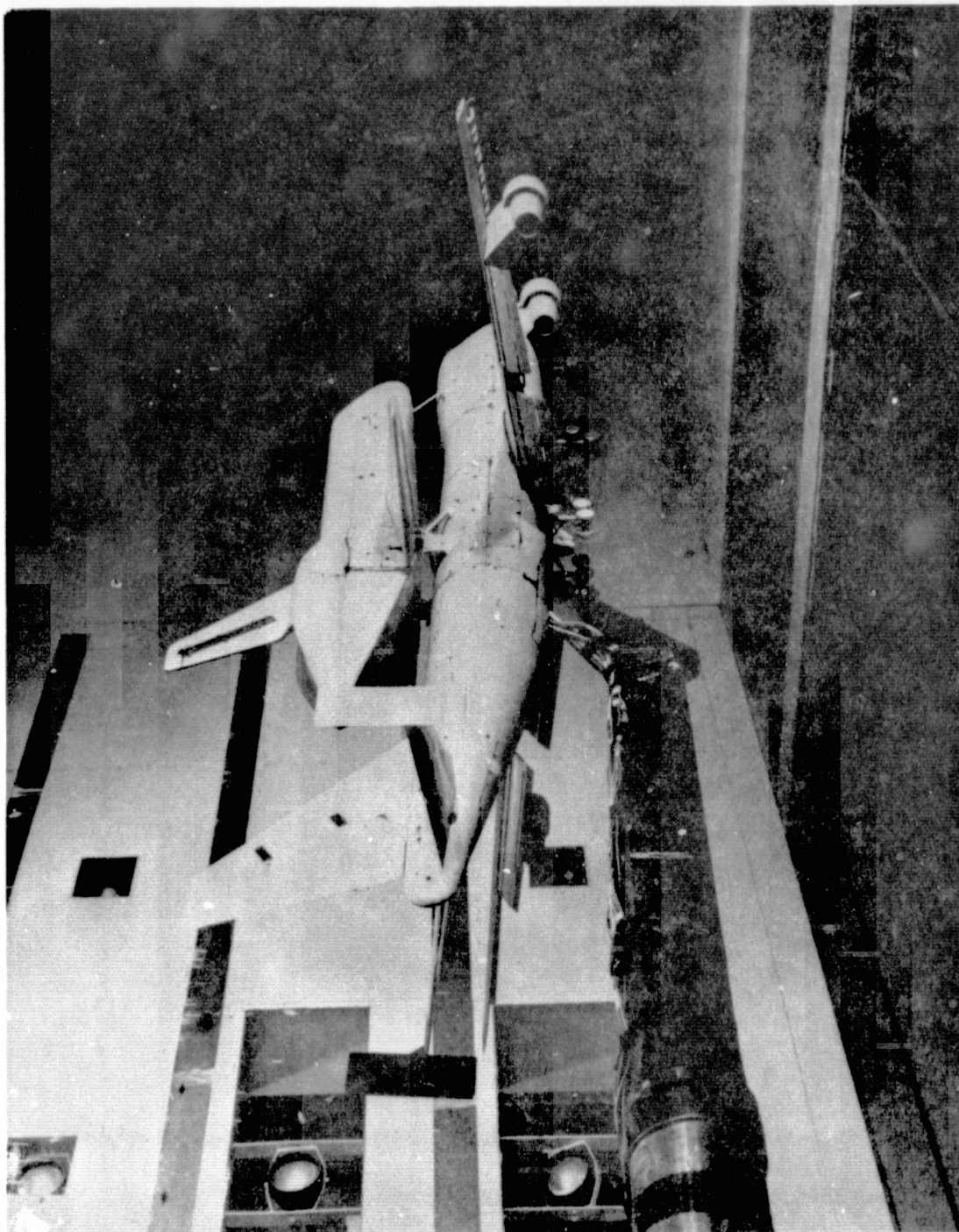


m. Sugar Scoops
Figure 2. - (Concluded)

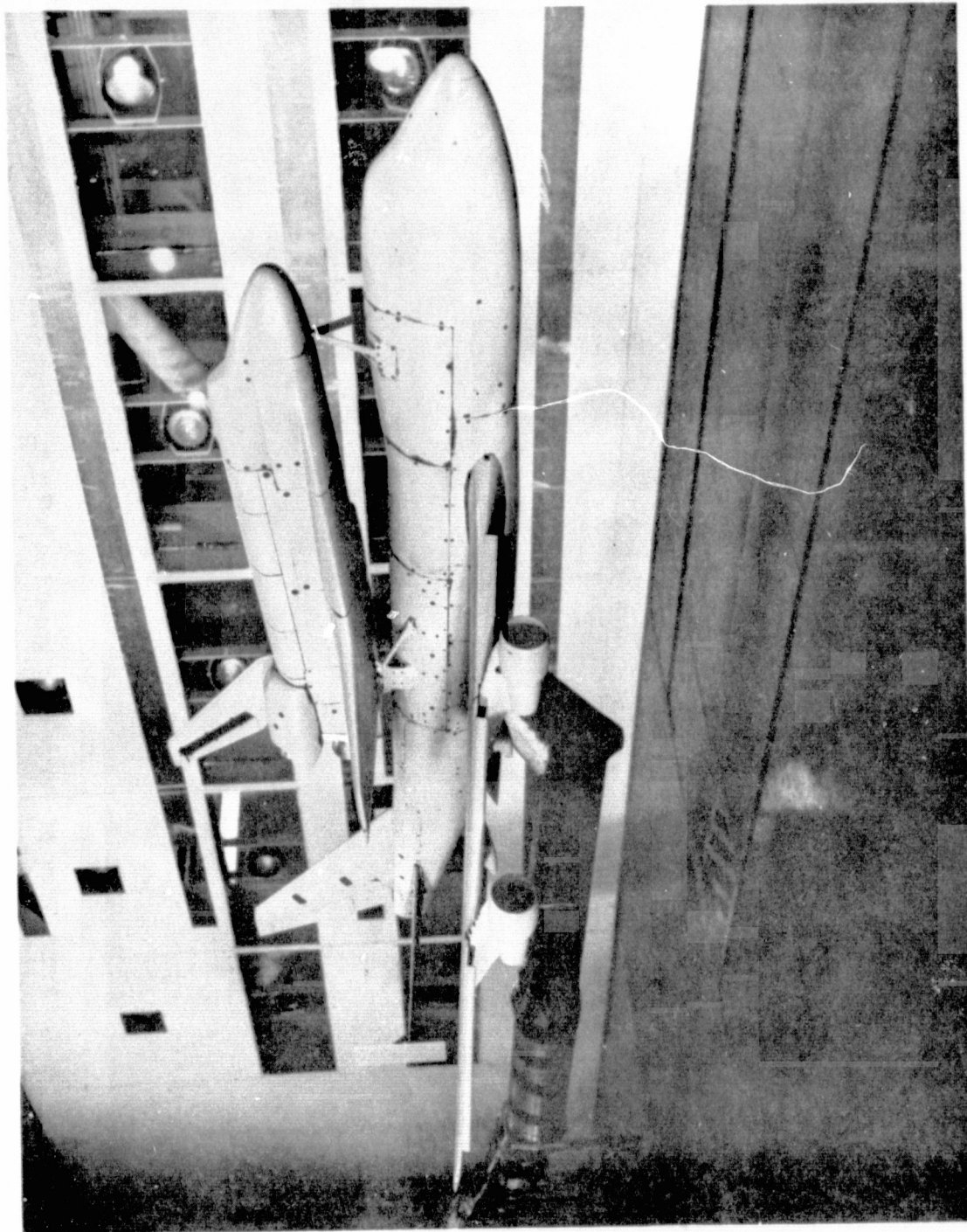


a. Front View of Ferry Configuration with S_1 Swept-Blade Sting.

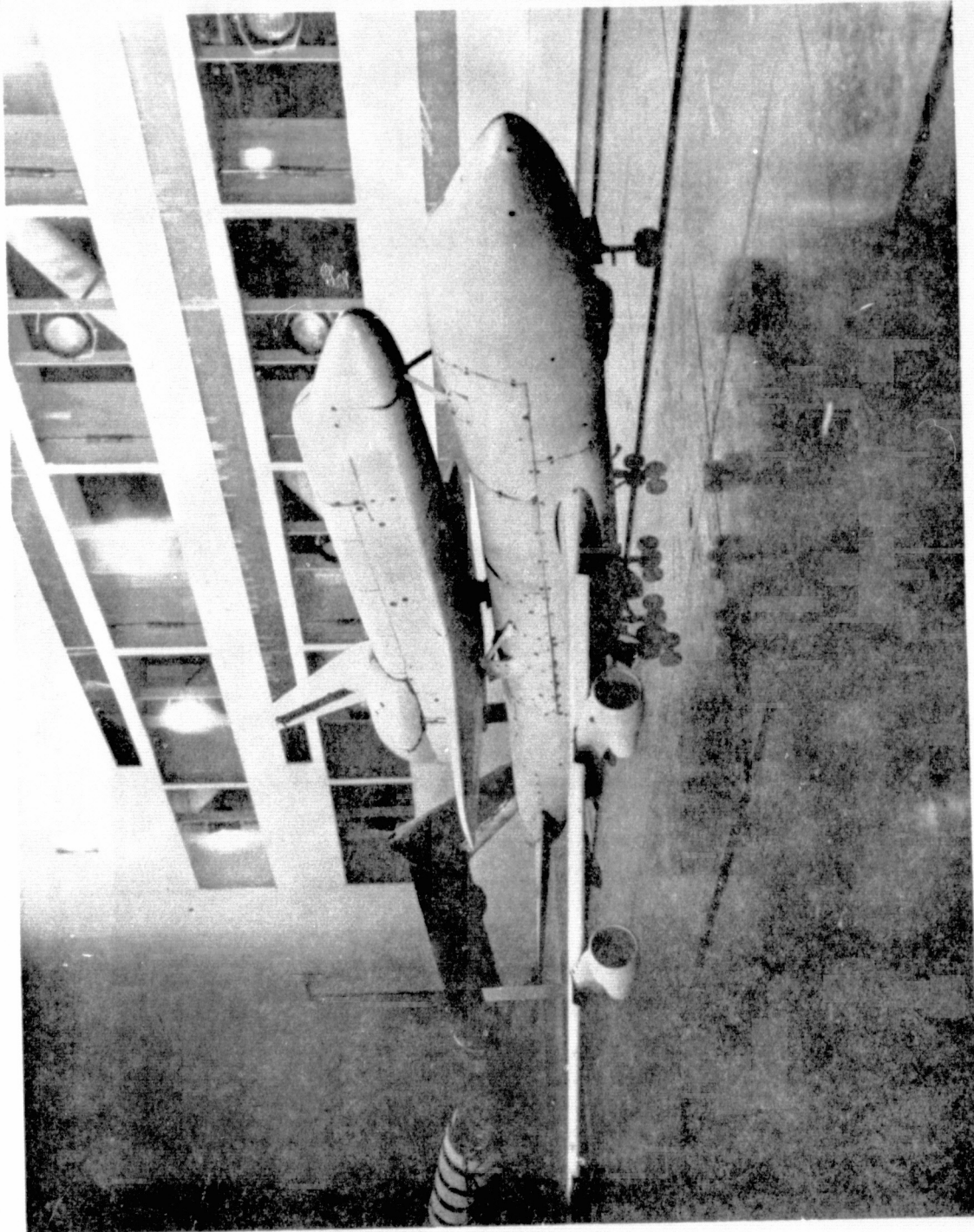
Figure 3. - Model Photographs.



b. AFT View of Ferry Configuration with S_1 Swept-Blade Sting.
Figure 3. - (Continued).



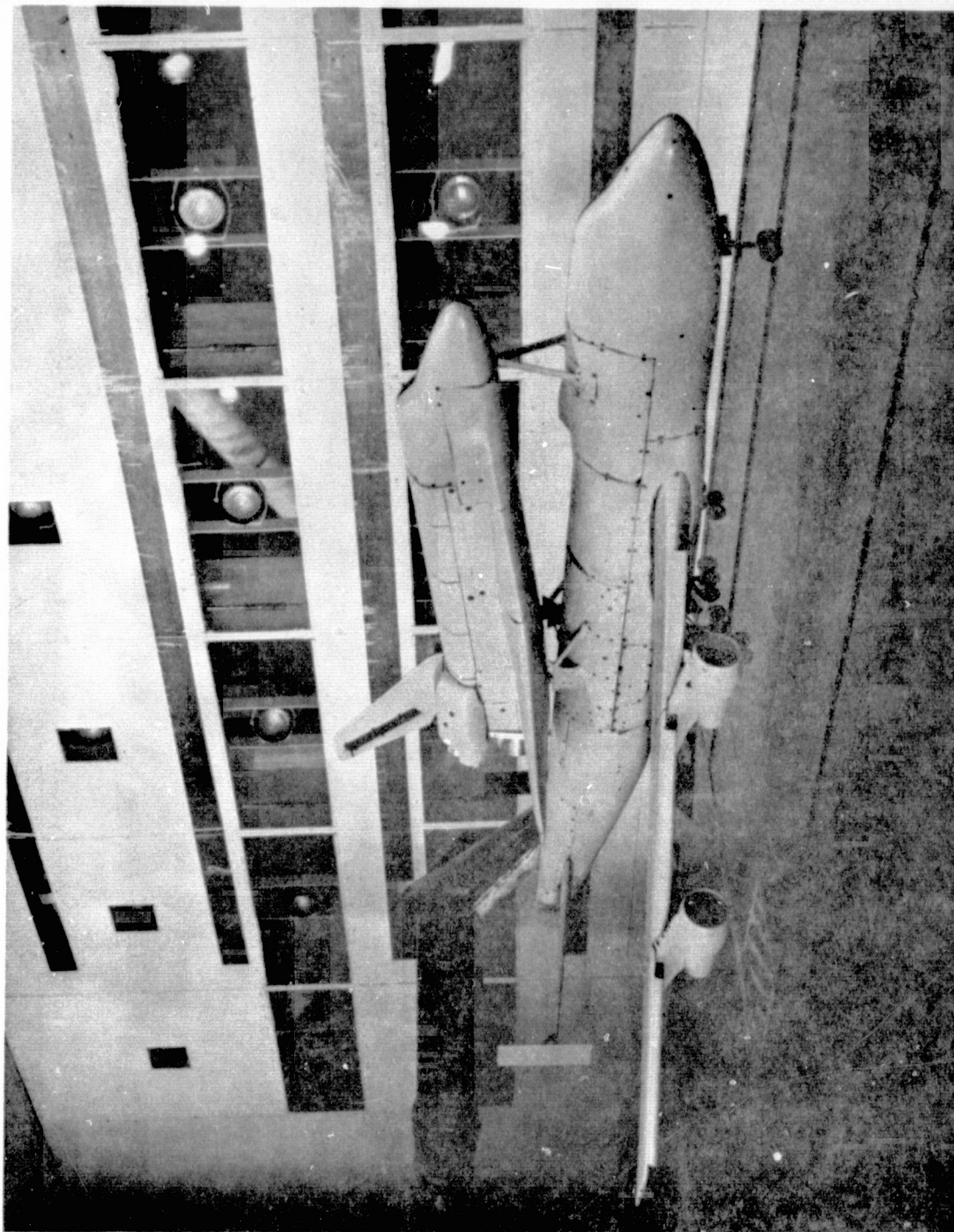
c. Front View of ALT Configuration with S_1 Swept-Blade Sting.
Figure 3. - (Continued).



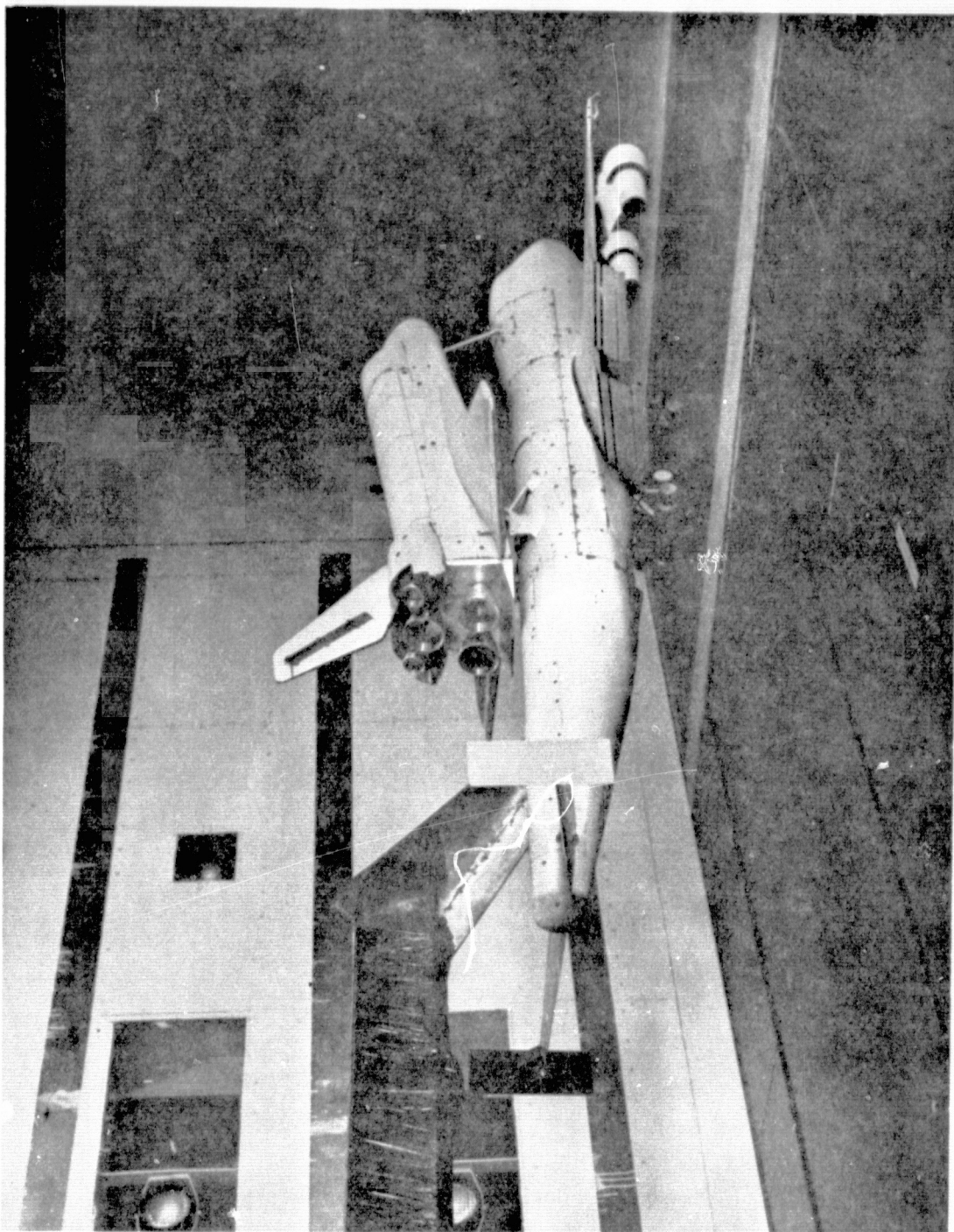
d. Front View of Ferry Configuration with S_2 Swept-Blade Sting.
Figure 3. - (Continued).



e. AFT View of Ferry Configuration with S_2 Swept-Blade Sting.
Figure 3. - (Continued).



f. Front View of ALT Configuration with S_2 Swept-Blade Sting.
Figure 3. - (Continued).



8. AFT View of AIT Configuration with S_2 Swept-Blade Sting.
Figure 3. - (Concluded).

U

APPENDIX

TABULATED SOURCE DATA

Volume 2	Pages 1-333
Volume 3	Pages 334-966

Tabulations of plotted data are available
on request from Data Management Services.

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DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 334

(CA-8) K1V9.1.2TS1

(PJF001) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 1/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.155	.00000	35.01745	-.07563	-.09231	-.08936	-.06872	-.08860	-.08357
.154	-.112	.00000	35.01016	-.05999	-.07553	-.07047	-.05071	-.07130	-.06368
.155	1.970	.00000	35.01985	-.05278	-.06860	-.05949	-.04064	-.06149	-.05140
.154	3.979	.00000	35.00379	-.05684	-.07048	-.06232	-.04113	-.06075	-.04796
.155	5.971	.00000	35.07741	-.05737	-.07236	-.06163	-.04258	-.05285	-.04810
.154	8.043	.00000	34.89838	-.07301	-.08507	-.07361	-.05280	-.07296	-.05298
.155	10.029	.00000	35.08766	-.08370	-.09645	-.08443	-.06649	-.08151	-.06371
.155	12.021	.00000	35.35407	-.09801	-.11132	-.09608	-.08683	-.10215	-.08350
.153	14.036	.00000	35.43107	-.12436	-.13588	-.12124	-.10584	-.12242	-.10081
.155	16.160	.00000	35.36738	-.15568	-.16312	-.14946	-.13511	-.14960	-.12572
.155	18.090	.00000	35.45875	-.18346	-.19022	-.1768	-.16117	-.17414	-.14994
.156	20.166	.00000	35.65169	-.21548	-.22012	-.20716	-.19634	-.20865	-.18312
.156	22.150	.00000	35.75895	-.24991	-.25347	-.24101	-.22993	-.24109	-.21476
.157	24.123	.00000	35.96720	-.28614	-.28688	-.27514	-.26761	-.27837	-.25250
.157	25.151	.00000	36.07620	-.30501	-.30563	-.29408	-.28978	-.30028	-.27404
.157	26.058	.00000	35.99965	-.32278	-.32336	-.31084	-.31225	-.32028	-.29549
GRADIENT		.00000	-.00151	.00311	.00354	.00451	.00454	.00456	.00582

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 335

(CA-8) K1V9.1.2TSIH15.1

(PJF002) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000

RUN NO. 2/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-2.502	.00000	34.90964	-.07163	-.09082	-.09254	-.07041	-.08712	-.08358	
.154	.187	.00000	34.80700	-.05193	-.07079	-.06858	-.05095	-.06669	-.06008	
.154	2.244	.00000	35.05633	-.05061	-.06943	-.06392	-.04513	-.06080	-.05119	
.155	4.305	.00000	35.13496	-.04760	-.06396	-.05818	-.04201	-.05763	-.04544	
.154	5.226	.00000	35.11477	-.04872	-.06699	-.05970	-.04456	-.05929	-.04696	
.154	6.300	.00000	35.08649	-.05207	-.07028	-.06223	-.04918	-.06369	-.05029	
.155	8.302	.00000	35.15142	-.06553	-.08157	-.07311	-.05495	-.06897	-.05075	
.155	10.176	.00000	35.14053	-.07854	-.09469	-.08438	-.07160	-.08161	-.06526	
.155	12.355	.00000	35.25389	-.09738	-.11310	-.10171	-.09082	-.10047	-.08247	
.155	14.373	.00000	35.37438	-.11646	-.13116	-.11892	-.11062	-.12065	-.09994	
.155	16.451	.00000	35.45500	-.14976	-.16271	-.15016	-.13882	-.14631	-.12378	
.156	18.429	.00000	35.84366	-.17654	-.18913	-.17637	-.16834	-.17455	-.15143	
.157	20.412	.00000	36.11261	-.20677	-.21732	-.20528	-.19907	-.20281	-.17937	
.157	22.438	.00000	36.28558	-.24440	-.25467	-.24265	-.23519	-.23952	-.21465	
.157	24.437	.00000	36.07797	-.27480	-.28380	-.27121	-.27658	-.27784	-.25432	
.157	25.434	.00000	36.23355	-.30100	-.30855	-.29920	-.30245	-.30341	-.27930	
.157	26.200	.00000	36.14426	-.31082	-.31964	-.30554	-.32099	-.32059	-.29780	
	GRADIENT	.00000	.03920	.00338	.00375	.00491	.00415	.00431	.00558	

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 336

(CA-8) K1V9.1.2TS2H15.1F10

(PJF003) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO.		3/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.514	.00000	35.19488	-.06829	-.08877	-.09174	-.06937	-.08788	-.08332	
.155	.126	.00000	35.18804	-.05572	-.07458	-.07465	-.04712	-.06579	-.05783	
.155	2.230	.00000	35.14849	-.04294	-.06277	-.05901	-.03766	-.05629	-.04590	
.155	3.198	.00000	35.13286	-.04855	-.06785	-.06299	-.04042	-.05833	-.04678	
.154	4.198	.00000	34.84112	-.04434	-.06305	-.05873	-.03779	-.05577	-.04342	
.154	5.322	.00000	35.05325	-.04745	-.06714	-.06043	-.04377	-.06112	-.04666	
.154	6.369	.00000	35.05440	-.05337	-.07311	-.06587	-.04513	-.06329	-.04884	
.155	7.375	.00000	35.15730	-.05710	-.07558	-.06829	-.04946	-.06648	-.04902	
.154	8.229	.00000	35.06187	-.06165	-.07907	-.07139	-.05424	-.07041	-.05197	
.154	9.272	.00000	35.05637	-.06687	-.08414	-.07634	-.06109	-.07523	-.05756	
.154	10.288	.00000	35.05024	-.07746	-.09635	-.08636	-.07047	-.08246	-.06456	
.155	11.318	.00000	35.23689	-.08244	-.10146	-.09124	-.07790	-.08932	-.07111	
.154	12.422	.00000	34.95325	-.09965	-.11815	-.10724	-.08978	-.10132	-.08189	
.155	13.385	.00000	35.25985	-.10789	-.12612	-.11437	-.09876	-.10979	-.09058	
.155	14.331	.00000	35.40267	-.11959	-.13738	-.12543	-.10822	-.11992	-.09800	
.155	15.469	.00000	35.56492	-.13581	-.15256	-.14015	-.12473	-.13632	-.11228	
.155	16.372	.00000	35.55563	-.14828	-.16397	-.15170	-.13786	-.14632	-.12314	
.155	17.428	.00000	35.55461	-.16034	-.17626	-.16359	-.15006	-.15781	-.13437	
.156	18.476	.00000	35.72861	-.17353	-.19023	-.17802	-.16491	-.17239	-.14837	
.156	19.359	.00000	35.70009	-.18923	-.20488	-.19161	-.18124	-.18778	-.16398	
.156	20.383	.00000	35.67542	-.20183	-.21682	-.20329	-.19711	-.20165	-.17728	
.156	21.450	.00000	35.78039	-.22044	-.23552	-.22270	-.21348	-.21747	-.19355	
.156	22.456	.00000	35.68152	-.23963	-.25297	-.24053	-.23480	-.23792	-.21336	
.156	23.463	.00000	35.75550	-.26198	-.27543	-.26288	-.25263	-.25537	-.22986	
.157	24.361	.00000	36.32117	-.27899	-.29213	-.27931	-.27469	-.27642	-.25098	
.157	25.498	.00000	36.27240	-.29598	-.30859	-.29532	-.29763	-.29871	-.27355	
.157	26.253	.00000	36.18105	-.31689	-.32994	-.31597	-.32190	-.32219	-.29736	
	GRADIENT	.00000	-.03866	.00363	.00380	.00503	.00463	.00473	.00590	

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 337

(CA-8) K1V9.1.2TS2HT5.1F10

(PJF004) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO.		4/ 0	RN/L =	.00	GRADIENT INTERVAL * -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6			
.155	-2.753	.00000	35.13482	-.06665	-.08624	-.08781	-.06685	-.08357	-.07891			
.154	.155	.00000	35.04267	-.05235	-.07085	-.06916	-.04882	-.06580	-.05765			
.154	2.249	.00000	35.00294	-.04655	-.06542	-.05998	-.03931	-.05640	-.04599			
.154	4.241	.00000	34.98635	-.04539	-.06407	-.05890	-.03841	-.05519	-.04169			
.154	6.360	.00000	35.01428	-.05193	-.06998	-.06253	-.04429	-.06103	-.04543			
.155	8.327	.00000	35.13671	-.06108	-.07746	-.06833	-.05540	-.07116	-.05219			
.155	10.374	.00000	35.21464	-.08109	-.09738	-.08758	-.06883	-.08118	-.06271			
.155	12.444	.00000	35.14245	-.10022	-.11643	-.10529	-.08951	-.10148	-.08133			
.155	14.388	.00000	35.27084	-.13270	-.14790	-.13531	-.11899	-.13114	-.10743			
.155	15.428	.00000	35.11023	-.14556	-.16016	-.14739	-.13197	-.14371	-.11818			
.154	16.398	.00000	35.08997	-.15960	-.17358	-.16026	-.15074	-.15961	-.13567			
.155	17.444	.00000	35.21454	-.17943	-.19212	-.17970	-.16555	-.17446	-.14998			
.154	18.463	.00000	35.06181	-.19824	-.21122	-.19909	-.18351	-.19178	-.16624			
.155	20.475	.00000	35.47231	-.22889	-.24063	-.22751	-.22012	-.22697	-.20053			
.155	21.524	.00000	35.41027	-.24652	-.25753	-.24533	-.23600	-.24231	-.21494			
.155	22.550	.00000	35.33918	-.26107	-.27137	-.25934	-.25740	-.26284	-.23678			
.156	23.465	.00000	35.61084	-.27771	-.28909	-.27637	-.27189	-.27590	-.24845			
.156	24.539	.00000	35.68808	-.29472	-.30519	-.29463	-.28386	-.28689	-.26041			
.157	25.446	.00000	36.04451	-.31093	-.32077	-.30889	-.30609	-.30797	-.28140			
.157	26.263	.00000	36.12363	-.32052	-.32987	-.31680	-.32796	-.32972	-.30472			
	GRADIENT	.00000	-.02152	.00311	.00322	.00451	.00422	.00420	.00544			

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 338

(CA-8) K1V9.1.2T52H15.1F10

(PJF005) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000

RUN NO.		5/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.613	.00000	35.23541	-.06437	-.08455	-.08545	-.06067	-.07913	-.07385	
.155	.186	.00000	35.19521	-.05123	-.07022	-.06829	-.04462	-.06262	-.05414	
.155	2.195	.00000	35.17467	-.04771	-.06752	-.06175	-.04056	-.05832	-.04751	
.155	4.352	.00000	35.25276	-.04857	-.06754	-.06059	-.03745	-.05532	-.04172	
.154	6.385	.00000	34.97636	-.05458	-.07377	-.06556	-.04529	-.06313	-.04729	
.154	8.294	.00000	35.01449	-.06544	-.08241	-.07349	-.05479	-.07144	-.05220	
.154	10.415	.00000	35.05337	-.07873	-.09610	-.08537	-.06885	-.08237	-.06345	
.154	12.379	.00000	35.05731	-.10446	-.12183	-.10953	-.09209	-.10423	-.08316	
.155	14.418	.00000	35.20926	-.13134	-.14730	-.13393	-.12108	-.13309	-.10918	
.155	15.472	.00000	35.16394	-.14755	-.16219	-.15031	-.13128	-.14410	-.11746	
.155	16.487	.00000	35.22991	-.16670	-.17968	-.16795	-.14642	-.15694	-.13147	
.155	17.448	.00000	35.16061	-.18283	-.19613	-.18454	-.16178	-.17181	-.14589	
.155	18.463	.00000	35.26647	-.19494	-.20738	-.19535	-.18027	-.18978	-.16428	
.155	19.462	.00000	35.37434	-.21714	-.22947	-.21676	-.20314	-.21162	-.18567	
.155	20.570	.00000	35.47744	-.22868	-.24017	-.22811	-.21923	-.22833	-.20150	
.156	21.488	.00000	35.53336	-.24179	-.25206	-.24033	-.23376	-.24099	-.21498	
.155	22.601	.00000	35.39045	-.26774	-.27826	-.26705	-.25748	-.26430	-.23644	
.156	23.508	.00000	35.91509	-.28506	-.29457	-.28384	-.27116	-.27789	-.24906	
.156	24.535	.00000	35.57664	-.29715	-.30624	-.29635	-.28623	-.29119	-.26430	
.156	25.457	.00000	35.68746	-.31820	-.32558	-.31626	-.31038	-.31435	-.28726	
.157	26.265	.00000	36.05241	-.32212	-.32926	-.31806	-.32739	-.33221	-.30707	
	GRADIENT	.00000	.00079	.00231	.00244	.00363	.00330	.00339	.00458	

CA-B - FORCE SOURCE DATA TABULATION
(CA-8) K1V9.1.2TS2H15.1F10

(PJF006) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN. YMRP = .0000 IN.YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
SCALE = .0400

BETA = .000 RN/L = 1.090
STAB = -2.000 ELEVTR = 10.000

PARAMETRIC DATA

GRADIENT INTERVAL = -5.00/ 5.00

RUN NO.	6/ 0	RN/L =	.00	CP1	CP2	CP3	CP4	CP5	CP6
MACH	ALPHA	BETA	Q (PSF)						
.154	.583	.00000	35.11725	-.06282	-.08099	-.08250	-.05754	-.07702	-.07118
.155	2.578	.00000	35.19316	-.05028	-.06817	-.06737	-.04350	-.06316	-.05516
.155	4.661	.00000	35.41234	-.04722	-.06466	-.06029	-.04192	-.06172	-.05087
.155	6.674	.00000	35.33064	-.04793	-.06373	-.05875	-.03734	-.05704	-.04420
.155	8.735	.00000	35.07134	-.05784	-.07309	-.06678	-.04377	-.06388	-.04818
.154	10.718	.00000	35.13132	-.06665	-.08028	-.07231	-.05504	-.07429	-.05422
.155	12.779	.00000	35.10537	-.08120	-.09369	-.08588	-.06697	-.08211	-.06320
.154	14.912	.00000	35.29210	-.10482	-.11775	-.10708	-.08867	-.10397	-.08364
.155	16.837	.00000	35.35633	-.12648	-.13757	-.12683	-.10838	-.12485	-.10210
.155	18.786	.00000	35.36975	-.15946	-.16760	-.15774	-.14088	-.15709	-.13025
.155	20.853	.00000	35.67215	-.19240	-.19900	-.18888	-.17398	-.18679	-.16128
.156	22.932	.00000	35.71819	-.22740	-.23217	-.22296	-.21229	-.22448	-.19769
.156	24.875	.00000	35.92833	-.26353	-.26579	-.25812	-.24486	-.25601	-.22804
.156	26.849	.00000	36.04476	-.29300	-.29403	-.28866	-.27117	-.28220	-.25365
.157	28.867	.00000	35.93595	-.33480	-.33363	-.32887	-.32023	-.32988	-.30205
.156	GRADIENT	.00000	.07260	.00381	.00399	.00543	.00381	.00373	.00496

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F10

(PJF007) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -10.000

RUN NO.		7/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	.554	.00000	35.07643	-.06170	-.08042	-.08221	-.06151	-.08046	-.07362	
.154	2.583	.00000	35.04464	-.05117	-.06901	-.06799	-.04791	-.06704	-.05804	
.154	4.680	.00000	35.02258	-.04851	-.06723	-.06190	-.04065	-.05948	-.04833	
.154	6.643	.00000	35.12722	-.04673	-.06330	-.05735	-.03909	-.05773	-.04381	
.155	8.673	.00000	35.30274	-.05909	-.07475	-.06822	-.04373	-.06233	-.04595	
.155	10.754	.00000	35.23044	-.06516	-.07907	-.07116	-.05297	-.07174	-.05002	
.155	12.725	.00000	35.27935	-.07716	-.09128	-.08179	-.06828	-.08258	-.06392	
.155	14.790	.00000	35.23389	-.10200	-.11477	-.10394	-.08703	-.10168	-.08041	
.155	16.844	.00000	35.47300	-.12853	-.14021	-.12838	-.11330	-.12915	-.10497	
.155	18.815	.00000	35.39256	-.15851	-.16859	-.15678	-.14413	-.15751	-.13204	
.155	20.901	.00000	35.44720	-.18998	-.19788	-.18697	-.17367	-.18596	-.15910	
.155	22.909	.00000	35.55256	-.22384	-.23104	-.2192	-.21111	-.22341	-.19558	
.156	24.904	.00000	35.68959	-.26299	-.26677	-.25653	-.25112	-.26279	-.23425	
.156	26.938	.00000	35.79856	-.29775	-.29930	-.29190	-.27720	-.28768	-.25853	
.156	28.952	.00000	35.86613	-.32658	-.32664	-.31840	-.31951	-.32900	-.30072	
	GRADIENT	.00000	-.01304	.00319	.00318	.00491	.00505	.00508	.00612	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) KIV9.1.2TS2H15.1F10

(PJF008) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -10.000

RUN NO.	B/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.492	.00000	35.18949	-.05784	-.07735	-.07906	-.06213	-.08001	-.07402
.154	2.555	.00000	35.14064	-.04943	-.06831	-.06655	-.04906	-.06714	-.05899
.155	4.587	.00000	35.23312	-.04882	-.06761	-.06202	-.04114	-.05984	-.04861
.155	6.648	.00000	35.19103	-.04674	-.06406	-.05731	-.03987	-.05822	-.04420
.155	8.730	.00000	35.33821	-.05065	-.06827	-.06028	-.04547	-.06410	-.04848
.155	10.760	.00000	35.21416	-.06363	-.07866	-.07050	-.05029	-.06884	-.04738
.154	12.760	.00000	35.14584	-.07963	-.09400	-.08429	-.07092	-.08478	-.06595
.155	14.788	.00000	35.23608	-.09885	-.11293	-.10200	-.08793	-.10230	-.08197
.155	16.840	.00000	35.16462	-.12476	-.13796	-.12562	-.11319	-.12866	-.10499
.155	18.851	.00000	35.35149	-.15438	-.16540	-.15196	-.14591	-.15763	-.13296
.155	20.802	.00000	35.41894	-.18770	-.19737	-.18551	-.17585	-.18742	-.16148
.155	22.934	.00000	35.55195	-.22579	-.23376	-.22180	-.21336	-.22341	-.19636
.155	24.866	.00000	35.60635	-.26047	-.26699	-.25599	-.24594	-.25533	-.22744
.155	26.935	.00000	35.51619	-.29864	-.30321	-.29481	-.27783	-.28529	-.25644
.156	28.956	.00000	35.94178	-.32883	-.33241	-.32324	-.31900	-.32655	-.29803
	GRADIENT	.00000	.01057	.00221	.00238	.004 7	.00513	.00493	.00621

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F10

(PJF009) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000

RUN NO.		9/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.391	.00000	35.21377	-.06967	-.08828	-.09223	-.06664	-.08321	-.07952
.155	.120	.00000	35.23126	-.04969	-.06762	-.06868	-.04796	-.06432	-.05729
.154	2.206	.00000	35.16954	-.04599	-.06456	-.06238	-.04307	-.05919	-.04971
.154	4.227	.00000	35.15555	-.04561	-.06321	-.05930	-.04263	-.05797	-.04660
.155	6.265	.00000	35.21088	-.04996	-.06810	-.06159	-.04705	-.06250	-.04817
.154	8.280	.00000	35.17782	-.06511	-.08009	-.07420	-.05802	-.07338	-.05464
.154	10.274	.00000	35.15571	-.07908	-.09436	-.08719	-.07217	-.08364	-.06579
.154	12.361	.00000	35.17360	-.09912	-.11446	-.10612	-.09212	-.10277	-.08259
.155	14.354	.00000	35.24098	-.12424	-.13844	-.12924	-.11774	-.12863	-.10504
.155	16.459	.00000	35.23149	-.16176	-.17462	-.16422	-.15090	-.15954	-.13592
.155	18.465	.00000	35.27884	-.19215	-.20406	-.19372	-.18376	-.19108	-.16697
.155	20.439	.00000	35.30922	-.22475	-.23539	-.22542	-.21938	-.22526	-.20020
.155	22.416	.00000	35.38010	-.25947	-.26916	-.25964	-.25249	-.25620	-.22936
.155	24.448	.00000	35.41903	-.30011	-.30898	-.30198	-.28436	-.28691	-.25895
.155	26.496	.00000	35.42561	-.32456	-.33174	-.32186	-.32998	-.33054	-.30584
	GRADIENT	.00000	-.01049	.00356	.00367	.00489	.00360	.00377	.00494

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F10

(PJF010) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000

RUN NO.		10/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6			
.155	-2.755	.00000	35.29384	-.07228	-.09123	-.09548	-.06777	-.08716	-.08208			
.155	.118	.00000	35.35066	-.05324	-.07233	-.07242	-.04633	-.06530	-.05727			
.155	2.227	.00000	35.30663	-.04906	-.06832	-.06488	-.04097	-.06030	-.04961			
.154	4.218	.00000	34.98757	-.04935	-.06729	-.06429	-.04389	-.06202	-.04956			
.154	6.233	.00000	35.09117	-.05341	-.07207	-.06654	-.04822	-.06530	-.05123			
.154	8.228	.00000	35.11325	-.07026	-.08670	-.08048	-.06182	-.08035	-.06092			
.154	10.331	.00000	35.15679	-.08302	-.09803	-.09105	-.07399	-.09928	-.07010			
.155	12.329	.00000	35.32218	-.10431	-.12073	-.11150	-.09297	-.10584	-.08595			
.154	14.415	.00000	35.13224	-.13382	-.14948	-.13873	-.11820	-.13200	-.10686			
.155	16.395	.00000	35.28827	-.16284	-.17659	-.16603	-.14971	-.16066	-.13626			
.155	18.498	.00000	35.28068	-.20163	-.21456	-.20421	-.18874	-.19893	-.17367			
.155	20.466	.00000	35.56719	-.23135	-.24284	-.23178	-.22324	-.23191	-.20574			
.155	22.514	.00000	35.38717	-.26700	-.27778	-.26706	-.25834	-.26538	-.23880			
.155	24.493	.00000	35.25023	-.29898	-.30876	-.29984	-.28726	-.29271	-.26548			
.155	26.442	.00000	35.28853	-.32850	-.33634	-.32554	-.33684	-.34096	-.31645			
	GRADIENT	.00000	-.03658	.00332	.00343	.00455	.00353	.00367	.00475			

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F10

(PJF011) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAS = .000 ELEVTR = .000

RUN NO. 11/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.716	.00000	34.97808	-.07395	-.09500	-.09905	-.07185	-.09035	-.08625
.154	.184	.00000	34.74818	-.05654	-.07720	-.07671	-.05224	-.07081	-.06310
.154	2.199	.00000	34.75666	-.04981	-.06975	-.06712	-.04853	-.06703	-.05620
.154	4.213	.00000	34.85731	-.05212	-.07178	-.06714	-.04600	-.06385	-.05115
.154	6.293	.00000	34.85300	-.05609	-.07688	-.07027	-.05334	-.07134	-.05590
.155	8.297	.00000	35.19827	-.06657	-.08507	-.07795	-.05934	-.07627	-.05697
.155	10.314	.00000	35.36583	-.07969	-.09869	-.08956	-.07655	-.08894	-.07111
.154	12.340	.00000	35.09292	-.10374	-.12259	-.11228	-.09469	-.10613	-.08599
.154	14.415	.00000	35.06998	-.12969	-.14750	-.13550	-.12167	-.13458	-.11140
.155	16.433	.00000	35.19813	-.16142	-.17803	-.16586	-.15065	-.16095	-.13675
.155	18.448	.00000	35.30526	-.19875	-.21532	-.20330	-.18499	-.19325	-.16731
.155	20.478	.00000	35.57593	-.22997	-.24483	-.23272	-.22072	-.22719	-.20128
.156	22.522	.00000	35.80846	-.26798	-.28103	-.26969	-.25990	-.26535	-.23850
.156	24.476	.00000	35.76333	-.30077	-.31306	-.30283	-.29036	-.29478	-.26803
.156	26.622	.00000	35.95786	-.33488	-.34496	-.33406	-.34120	-.34414	-.31974
	GRADIENT	.00000	-.01842	.00335	.00352	.00477	.00370	.00378	.00505

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F10G5.3.5

(PJF012) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO. 12/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-1.845	.00000	35.07877	-.05514	-.07676	-.07111	-.06245	-.09100	-.08005
.154	.219	.00000	35.13663	-.04633	-.06695	-.05927	-.04817	-.07752	-.06339
.154	2.184	.00000	35.02641	-.04843	-.06675	-.05870	-.03790	-.07111	-.05336
.154	4.289	.00000	34.99382	-.05132	-.06728	-.06039	-.03566	-.06978	-.04994
.155	6.318	.00000	35.21436	-.06018	-.07312	-.06855	-.04478	-.07762	-.05529
.155	8.322	.00000	35.30102	-.06986	-.07883	-.07608	-.05410	-.08619	-.06288
.155	10.423	.00000	35.31405	-.08983	-.09796	-.09610	-.07173	-.10094	-.07807
.155	12.328	.00000	35.16367	-.11654	-.12138	-.12055	-.09216	-.12089	-.09757
.155	14.450	.00000	35.19702	-.14350	-.14688	-.14705	-.11793	-.14781	-.12048
.155	16.428	.00000	35.23394	-.17793	-.17919	-.18129	-.14909	-.17574	-.14967
.155	18.487	.00000	35.47135	-.21223	-.21239	-.21567	-.18442	-.20962	-.18316
.156	20.463	.00000	35.61223	-.24389	-.24118	-.24563	-.21757	-.24230	-.21592
.155	22.554	.00000	35.31363	-.28062	-.27569	-.28167	-.25219	-.27443	-.24841
.155	24.495	.00000	35.35497	-.31620	-.30963	-.31827	-.28636	-.30690	-.28035
.157	26.305	.00000	36.27971	-.34635	-.33902	-.34626	-.32995	-.34849	-.32324
	GRADIENT	.00000	-.01782	.00046	.00141	.00161	.00444	.00343	.00492

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F20

(PJF013) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 13/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.832	.00000	35.23687	-.06390	-.08316	-.08652	-.06156	-.08021	-.07416	
.155	.153	.00000	35.32032	-.05029	-.06922	-.06956	-.04866	-.06721	-.05942	
.155	2.239	.00000	35.33803	-.05028	-.06984	-.06644	-.04521	-.06324	-.05277	
.155	4.223	.00000	35.31652	-.04780	-.06601	-.06208	-.04230	-.06013	-.04757	
.155	5.323	.00000	35.23035	-.04907	-.06805	-.06225	-.04520	-.06323	-.05003	
.155	6.342	.00000	35.14596	-.05902	-.07697	-.07094	-.05037	-.06820	-.05288	
.155	7.386	.00000	35.14927	-.06059	-.07697	-.07055	-.05219	-.07067	-.05327	
.155	8.368	.00000	35.21394	-.07276	-.08822	-.08131	-.05929	-.07762	-.05795	
.154	9.399	.00000	35.07469	-.07688	-.09142	-.08508	-.06694	-.08246	-.06397	
.154	10.353	.00000	35.00395	-.08294	-.09809	-.09071	-.07490	-.08964	-.07156	
.154	11.316	.00000	35.07582	-.09392	-.10887	-.10069	-.08380	-.09781	-.07896	
.154	12.399	.00000	35.05212	-.10480	-.11908	-.11024	-.09528	-.10936	-.09017	
.155	13.402	.00000	35.18941	-.12190	-.13593	-.12735	-.10842	-.12281	-.10173	
.155	14.368	.00000	35.25142	-.13402	-.14708	-.13770	-.11997	-.13446	-.11148	
.155	15.403	.00000	35.16449	-.14858	-.16125	-.15208	-.13534	-.15028	-.12513	
.155	16.477	.00000	35.23507	-.16260	-.17415	-.16467	-.14999	-.16215	-.13833	
.155	17.460	.00000	35.27126	-.18434	-.19543	-.18604	-.16885	-.18063	-.15646	
.155	18.440	.00000	35.28095	-.20045	-.21091	-.20189	-.18693	-.19862	-.17367	
.155	19.511	.00000	35.40025	-.22365	-.23335	-.22428	-.20925	-.22081	-.19449	
.155	20.434	.00000	35.45917	-.23718	-.24592	-.23681	-.22220	-.23325	-.20643	
.155	21.423	.00000	35.39590	-.25038	-.25762	-.24912	-.24103	-.25131	-.22538	
.155	22.477	.00000	35.44146	-.27177	-.27822	-.26978	-.26104	-.27109	-.24513	
.155	23.566	.00000	35.37940	-.29365	-.29929	-.29215	-.28059	-.28928	-.26259	
.155	24.448	.00000	35.44031	-.30939	-.31537	-.30994	-.28800	-.29699	-.26859	
.156	25.570	.00000	35.58993	-.32002	-.32418	-.31726	-.31164	-.31933	-.29323	
.155	26.387	.00000	35.55995	-.33662	-.34036	-.33248	-.33399	-.34209	-.31632	
	GRADIENT	.00000	.01266	.00238	.00250	.00377	.00302	.00317	.00426	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 347

(CA-8) K1V9.1.2TS2H15.1F20

(PJF014) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 14/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-1.882	.00000	35.01708	-.06250	-.08106	-.08462	-.06122	-.07906	-.07326	
.155	.302	.00000	35.16626	-.05315	-.07098	-.07137	-.04672	-.06492	-.05645	
.155	2.248	.00000	35.15318	-.04894	-.06689	-.06404	-.04447	-.06277	-.05138	
.155	4.330	.00000	35.19290	-.05131	-.06815	-.06411	-.04529	-.06346	-.05031	
.155	5.287	.00000	35.24613	-.05298	-.07122	-.06493	-.04926	-.06845	-.05430	
.155	6.336	.00000	35.30818	-.05886	-.07471	-.06912	-.04685	-.06615	-.05039	
.155	7.393	.00000	35.27775	-.07044	-.08529	-.07938	-.05507	-.07423	-.05566	
.155	8.302	.00000	35.25116	-.07418	-.08720	-.08153	-.05967	-.07992	-.05898	
.155	9.391	.00000	35.19391	-.08325	-.09608	-.08972	-.06936	-.08587	-.06642	
.155	10.379	.00000	35.19246	-.09254	-.10593	-.09925	-.07459	-.09074	-.07175	
.155	11.380	.00000	35.18871	-.10104	-.11396	-.10684	-.08572	-.10087	-.08138	
.155	12.407	.00000	35.19657	-.11479	-.12675	-.11843	-.09751	-.11321	-.09232	
.155	13.436	.00000	35.22866	-.12601	-.13714	-.12906	-.10965	-.12529	-.10427	
.155	14.509	.00000	35.18895	-.14250	-.15243	-.14415	-.12389	-.14198	-.11714	
.154	15.429	.00000	35.07056	-.15779	-.16634	-.15888	-.13717	-.15427	-.12836	
.154	16.457	.00000	35.10612	-.17435	-.18200	-.17361	-.15363	-.16813	-.14290	
.155	17.540	.00000	35.26916	-.19156	-.19866	-.19085	-.17342	-.18805	-.16287	
.155	18.445	.00000	35.31743	-.21161	-.21844	-.21132	-.18538	-.19965	-.17349	
.155	19.557	.00000	35.23474	-.23156	-.23686	-.22986	-.21131	-.22576	-.19952	
.155	20.434	.00000	35.38454	-.24305	-.24718	-.24033	-.22614	-.23994	-.21262	
.155	21.454	.00000	35.42238	-.26058	-.26382	-.25724	-.24630	-.25896	-.23165	
.155	22.485	.00000	35.42435	-.27899	-.28160	-.27578	-.26125	-.27370	-.24687	
.156	23.506	.00000	35.72020	-.29750	-.29944	-.29427	-.27503	-.28722	-.25895	
.156	24.526	.00000	35.72820	-.31323	-.31429	-.31053	-.29156	-.30208	-.27423	
.156	25.515	.00000	35.77848	-.32989	-.32962	-.32577	-.31215	-.32248	-.29547	
.156	26.418	.00000	35.98495	-.33657	-.33570	-.33076	-.32978	-.34069	-.31415	
	GRADIENT	.00000	.02530	.00185	.00209	.00336	.00246	.00240	.00362	

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K1V9.1.2TS2H15.1F20

(PJF015) (01 JUN 76)

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-6.000	ELEVTR	=	.000

RUN NO.		15/ 0	RN/L =	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-1.806	.00000	35.05468	-.06307	-.08095	-.08398	-.05839	-.07741	-.07107	
.154	.212	.00000	34.99347	-.05265	-.07006	-.06950	-.04482	-.06513	-.05600	
.154	2.203	.00000	35.00998	-.04852	-.06587	-.06386	-.04158	-.06136	-.05071	
.154	4.288	.00000	35.02661	-.05705	-.07364	-.06950	-.04518	-.06474	-.05131	
.154	6.386	.00000	35.10770	-.05654	-.07158	-.06622	-.04683	-.06720	-.05121	
.155	8.354	.00000	35.14361	-.07367	-.08616	-.08033	-.05994	-.08012	-.05884	
.155	10.368	.00000	35.17307	-.09085	-.10348	-.09644	-.08031	-.09597	-.07633	
.155	12.415	.00000	35.27031	-.11457	-.12689	-.11778	-.09905	-.11465	-.09409	
.155	14.427	.00000	35.19960	-.14113	-.15190	-.14279	-.12473	-.14255	-.11656	
.155	16.475	.00000	35.24492	-.17669	-.18553	-.17583	-.15630	-.17044	-.14493	
.155	18.466	.00000	35.42942	-.21231	-.21995	-.21155	-.19009	-.20359	-.17622	
.155	20.486	.00000	35.46470	-.24806	-.25385	-.24446	-.23188	-.24449	-.21727	
.155	22.477	.00000	35.52568	-.27736	-.28210	-.27336	-.26357	-.27565	-.24765	
.156	24.435	.00000	35.97606	-.30851	-.31199	-.30577	-.28892	-.29904	-.27014	
.156	26.311	.00000	35.90629	-.34013	-.34188	-.33469	-.33193	-.34162	-.31383	
	GRADIENT	.00000	-.00330	.00108	.00127	.00240	.00210	.00295	.00317	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 349

(CA-8) K1V9.1.2TS2H15.1F20

(PJF016) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000

RUN NO.		IE/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-1.844	.00000	34.87353	-.06978	-.08148	-.08844	-.05839	-.08269	-.07623	
.155	.155	.00000	35.19199	-.05540	-.06580	-.07124	-.04622	-.07027	-.06103	
.155	2.226	.00000	35.20231	-.05641	-.06814	-.06912	-.04028	-.06437	-.05225	
.155	4.297	.00000	35.19203	-.05722	-.06770	-.06759	-.03893	-.06316	-.04914	
.155	6.337	.00000	35.31960	-.06269	-.07376	-.07133	-.04547	-.06874	-.05225	
.155	8.361	.00000	35.25959	-.07723	-.08580	-.08375	-.05919	-.08214	-.06123	
.155	10.468	.00000	35.33744	-.09753	-.10700	-.10366	-.07619	-.09487	-.07521	
.155	12.404	.00000	35.34773	-.11434	-.12292	-.11789	-.09469	-.11360	-.09272	
.155	14.486	.00000	35.22678	-.14488	-.15223	-.14546	-.12734	-.14783	-.12187	
.155	16.448	.00000	35.41228	-.17551	-.18091	-.17406	-.15407	-.17082	-.14543	
.155	18.489	.00000	35.45613	-.21129	-.21568	-.21016	-.18814	-.20389	-.17756	
.156	20.460	.00000	35.62834	-.24417	-.24760	-.24055	-.22798	-.24348	-.21621	
.156	22.525	.00000	35.68560	-.27778	-.27939	-.27371	-.26093	-.27423	-.24740	
.156	24.530	.00000	35.71759	-.30579	-.30585	-.30209	-.28856	-.30051	-.27261	
.156	26.288	.00000	35.92847	-.33992	-.33988	-.33525	-.32683	-.33808	-.31018	
	GRADIENT	.00000	.04680	.00177	.00194	.00314	.00313	.00314	.00438	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 350

(CA-8) K1V9.1.2TS2H15.1F20

(PJF017) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO. 17/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.882	.00000	35.21898	-.07187	-.08230	-.09129	-.05979	-.08566	-.07857
.155	.199	.00000	35.19085	-.06130	-.07184	-.07782	-.04622	-.07151	-.06220
.155	2.258	.00000	35.17278	-.05267	-.06363	-.06663	-.04080	-.06536	-.05440
.155	4.302	.00000	35.16494	-.05938	-.06869	-.07090	-.04126	-.06600	-.05246
.155	5.361	.00000	35.28815	-.06289	-.07339	-.07349	-.04599	-.07036	-.05557
.155	6.348	.00000	35.28711	-.06564	-.07476	-.07503	-.04735	-.07221	-.05596
.155	7.348	.00000	35.32743	-.07208	-.08058	-.07980	-.05360	-.07858	-.05964
.155	8.367	.00000	35.26120	-.07958	-.08671	-.08606	-.05828	-.08244	-.06162
.155	9.433	.00000	35.34006	-.08773	-.09514	-.09402	-.06623	-.08747	-.06958
.155	10.474	.00000	35.34342	-.09438	-.10151	-.09941	-.07662	-.09700	-.07793
.155	11.420	.00000	35.24201	-.10538	-.11284	-.11030	-.08374	-.10395	-.08376
.155	12.486	.00000	35.19804	-.11832	-.12537	-.12152	-.09569	-.11506	-.09427
.155	13.415	.00000	35.20824	-.12851	-.13494	-.13115	-.10882	-.12923	-.10754
.155	14.459	.00000	35.21248	-.14462	-.15092	-.14621	-.12287	-.14373	-.11848
.155	15.442	.00000	35.23957	-.15668	-.16179	-.15731	-.13592	-.15658	-.13050
.155	16.580	.00000	35.26100	-.17936	-.18362	-.18000	-.15351	-.17067	-.14526
.155	17.589	.00000	35.30128	-.19869	-.20211	-.19823	-.17368	-.19157	-.16569
.155	18.561	.00000	35.37767	-.21103	-.21440	-.20995	-.18638	-.20314	-.17647
.155	19.509	.00000	35.36629	-.23129	-.23454	-.22951	-.20997	-.22643	-.19972
.156	20.514	.00000	35.60863	-.24803	-.25048	-.24589	-.23173	-.24683	-.22004
.156	21.599	.00000	35.63587	-.26209	-.26348	-.25902	-.24467	-.25934	-.23252
.156	22.527	.00000	35.43272	-.28173	-.28200	-.27848	-.26211	-.27656	-.24833
.156	23.523	.00000	35.57901	-.29404	-.29440	-.29210	-.26863	-.28214	-.25346
.156	24.525	.00000	35.56110	-.31222	-.31138	-.30927	-.29088	-.30325	-.27541
.156	25.485	.00000	35.75804	-.32896	-.32761	-.32567	-.31018	-.32178	-.29378
.156	26.287	.00000	35.90244	-.34309	-.34150	-.33876	-.33467	-.34606	-.31945
	GRADIENT	.00000	-.00875	.00224	.00239	.00352	.00297	.00317	.00419

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 351

(CA-8) K1V9.1.2TS2H15.1F20G5.3.5

(PJF018) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO.		18/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.873	.00000	35.21840	-.05779	-.07957	-.07242	-.05936	-.08612	-.07474	
.155	.172	.00000	35.35029	-.04704	-.06824	-.05825	-.04408	-.07069	-.05812	
.155	2.311	.00000	35.18533	-.04809	-.06933	-.05554	-.04327	-.07345	-.05611	
.155	4.376	.00000	35.29476	-.04876	-.06927	-.05418	-.04009	-.07311	-.05205	
.155	6.348	.00000	35.30817	-.05926	-.07653	-.06257	-.04414	-.08001	-.05585	
.155	8.425	.00000	35.16795	-.07355	-.08700	-.07477	-.05398	-.09042	-.06185	
.154	10.334	.00000	35.06043	-.09483	-.10480	-.09654	-.06973	-.10298	-.07711	
.154	12.433	.00000	35.12760	-.11728	-.12428	-.11782	-.09093	-.12428	-.09790	
.155	14.567	.00000	35.15047	-.14911	-.15353	-.14835	-.12269	-.15761	-.12722	
.155	16.481	.00000	35.18729	-.17689	-.17809	-.17528	-.14753	-.17877	-.15017	
.155	18.454	.00000	35.31578	-.21397	-.21161	-.21210	-.18358	-.21444	-.18558	
.155	20.516	.00000	35.55345	-.25151	-.24911	-.25127	-.22272	-.25289	-.22386	
.155	22.546	.00000	35.55320	-.28337	-.27508	-.28157	-.24899	-.27697	-.24862	
.156	24.571	.00000	35.94532	-.31993	-.31096	-.31968	-.28390	-.30915	-.28186	
.157	26.275	.00000	36.04260	-.34456	-.33338	-.34240	-.31818	-.34362	-.31716	
	GRADIENT	.00000	.00284	.00124	.00142	.00274	.00280	.00172	.00335	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 352

(CA-8) KIV9.1.2TS2H15.1F20

(PJF019) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000

RUN NO.		19/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.827	.00000	35.23830	-.06908	-.08774	-.09162	-.06566	-.08530	-.08048	
.155	2.54	.00000	35.05926	-.05068	-.06897	-.06905	-.04742	-.06654	-.05755	
.155	4.288	.00000	35.19027	-.05179	-.07000	-.06652	-.04031	-.05961	-.04843	
.155	4.334	.00000	35.19236	-.05407	-.07182	-.06721	-.04347	-.06254	-.04914	
.155	6.328	.00000	35.21674	-.05766	-.07473	-.06839	-.04818	-.06735	-.05114	
.155	8.367	.00000	35.12177	-.07150	-.08623	-.07976	-.05955	-.07739	-.05707	
.155	10.397	.00000	35.18626	-.08688	-.10252	-.09447	-.07166	-.08635	-.06691	
.155	12.420	.00000	35.21506	-.11347	-.12850	-.11906	-.10062	-.11422	-.09337	
.155	14.459	.00000	35.22314	-.13946	-.15409	-.14308	-.12601	-.14152	-.11570	
.155	16.485	.00000	35.37013	-.17132	-.18436	-.17318	-.15295	-.16458	-.13929	
.155	18.489	.00000	35.18959	-.20675	-.21887	-.20779	-.19072	-.20180	-.17559	
.156	20.505	.00000	35.51636	-.24302	-.25393	-.24372	-.22749	-.23679	-.20958	
.156	22.543	.00000	35.73210	-.27045	-.27948	-.26954	-.25612	-.26444	-.23706	
.156	24.503	.00000	35.94494	-.30505	-.31367	-.30469	-.29504	-.30099	-.27435	
.157	26.379	.00000	36.03200	-.33304	-.33978	-.32808	-.34094	-.34615	-.32175	
	GRADIENT	.00000	-.00279	.00207	.00219	.00343	.00330	.00337	.00456	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 353

(CA-8) K1V9.1.2TS2H15.1F20

(PJF020) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 10.000

RUN NO. 20/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.786	.00000	35.41414	-.07496	-.09266	-.09721	-.06924	-.08806	-.08236	
.155	.216	.00000	35.12316	-.05107	-.06881	-.06821	-.04682	-.06547	-.05596	
.155	2.253	.00000	35.16668	-.04560	-.06410	-.06045	-.04080	-.05919	-.04737	
.155	4.288	.00000	35.15449	-.05231	-.06962	-.06473	-.04354	-.06107	-.04660	
.155	6.367	.00000	35.15811	-.05978	-.07649	-.07092	-.05126	-.06817	-.05208	
.155	8.420	.00000	35.24397	-.07066	-.08539	-.07884	-.06150	-.07863	-.05782	
.155	10.401	.00000	35.13003	-.08922	-.10591	-.09641	-.07727	-.09037	-.07116	
.155	12.455	.00000	35.19381	-.10811	-.12309	-.11263	-.09842	-.11105	-.08998	
.155	14.479	.00000	35.21464	-.13871	-.15367	-.14273	-.12377	-.13723	-.11182	
.155	16.506	.00000	35.19580	-.17094	-.18400	-.17330	-.15612	-.16575	-.14075	
.155	18.565	.00000	35.33015	-.20566	-.21791	-.20739	-.19164	-.20081	-.17421	
.155	20.537	.00000	35.47320	-.24011	-.25085	-.23934	-.23207	-.23900	-.21248	
.156	22.521	.00000	35.56202	-.27124	-.28090	-.27002	-.26510	-.27048	-.24352	
.155	24.447	.00000	35.45060	-.30317	-.31105	-.30120	-.29413	-.29886	-.27175	
.155	26.420	.00000	35.39134	-.33280	-.34083	-.32968	-.33678	-.33890	-.31444	
	GRADIENT	.00000	-.03445	.00341	.00342	.00479	.00377	.00394	.00517	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 354

(CA-8) K1V9.1.2TS2H15.1F20

(PJF021) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -10.000

RUN NO. 21/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.772	.00000	35.25427	-.07329	-.09226	-.09614	-.07105	-.08311	-.08389
.155	.174	.00000	35.20541	-.05058	-.06951	-.06803	-.04664	-.06514	-.05623
.155	2.264	.00000	35.21548	-.04885	-.06810	-.06360	-.04388	-.06141	-.05059
.155	4.310	.00000	35.15563	-.05231	-.07054	-.06511	-.04491	-.06230	-.04934
.155	6.320	.00000	35.18254	-.05723	-.07550	-.06800	-.05256	-.07059	-.05463
.155	8.356	.00000	35.16173	-.07136	-.08678	-.07958	-.06148	-.07814	-.05810
.154	10.366	.00000	35.04495	-.08736	-.10346	-.09542	-.07614	-.08937	-.07046
.155	12.394	.00000	35.25299	-.11070	-.12695	-.11590	-.10227	-.11470	-.09491
.155	14.433	.00000	35.36156	-.13466	-.14974	-.13825	-.12538	-.13947	-.11488
.155	16.440	.00000	35.32653	-.16918	-.18185	-.17031	-.15857	-.16848	-.14453
.155	18.494	.00000	35.20639	-.20518	-.21735	-.20659	-.18921	-.19860	-.17285
.156	20.448	.00000	35.55040	-.23799	-.24954	-.23795	-.22718	-.23455	-.20886
.156	22.529	.00000	35.63815	-.27629	-.28565	-.27530	-.26443	-.27078	-.24394
.156	24.487	.00000	35.70301	-.30584	-.31408	-.30480	-.29314	-.29743	-.27072
.157	26.254	.00000	36.05641	-.33492	-.34170	-.33100	-.33794	-.34076	-.31598
GRADIENT		.00000	-.01224	.00299	.00306	.00441	.00368	.00380	.00489

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F20

(PJF022) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000

RUN NO.		22/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.739	.00000	35.09860	-.06710	-.08520	-.06868	-.05990	-.07770	-.07271	
.154	.214	.00000	34.99970	-.04869	-.06729	-.06638	-.04116	-.05952	-.05009	
.155	2.258	.00000	35.17534	-.04086	-.05997	-.05579	-.03898	-.05670	-.04501	
.155	4.297	.00000	35.32448	-.05014	-.06873	-.06246	-.03822	-.05488	-.04172	
.155	6.353	.00000	35.17088	-.05418	-.07187	-.06500	-.04760	-.06459	-.04807	
.155	8.352	.00000	35.17345	-.06716	-.08377	-.07584	-.05804	-.07448	-.05433	
.155	10.355	.00000	35.08657	-.08356	-.10057	-.09165	-.07284	-.08584	-.06591	
.155	12.394	.00000	35.17769	-.10422	-.12086	-.10959	-.09529	-.10678	-.08610	
.155	14.454	.00000	35.09356	-.13254	-.14783	-.13594	-.12200	-.13432	-.10913	
.155	16.482	.00000	35.29016	-.16519	-.17840	-.16756	-.15016	-.15911	-.13469	
.155	18.474	.00000	35.27327	-.20246	-.21552	-.20387	-.18606	-.19527	-.16863	
.155	20.482	.00000	35.39163	-.23080	-.24212	-.23058	-.22202	-.22950	-.20277	
.157	22.472	.00000	35.95244	-.26272	-.27309	-.26176	-.25650	-.26243	-.23488	
.156	24.465	.00000	35.88253	-.29449	-.30341	-.29390	-.28615	-.29028	-.26301	
.156	26.596	.00000	35.91171	-.32722	-.33508	-.32273	-.33763	-.33974	-.31516	
	GRADIENT	.00000	.03392	.00274	.00264	.00405	.00305	.00321	.00439	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

(PJF023) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000

RUN NO. 23/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.632	.00000	35.39303	-.06317	-.08046	-.07489	-.05625	-.08290	-.07065	
.155	.284	.00000	35.11493	-.04737	-.06427	-.05645	-.04414	-.06999	-.05503	
.155	2.327	.00000	35.27424	-.04948	-.06706	-.05724	-.03655	-.06300	-.04536	
.155	4.410	.00000	35.32577	-.05381	-.06875	-.05953	-.04096	-.05720	-.04849	
.155	6.367	.00000	35.03486	-.06343	-.07455	-.06801	-.05020	-.07544	-.05531	
.155	8.466	.00000	35.21836	-.07997	-.08914	-.08494	-.05931	-.08318	-.05083	
.155	10.466	.00000	35.22487	-.09490	-.10330	-.09884	-.08153	-.10076	-.08075	
.155	12.458	.00000	35.18906	-.12150	-.12815	-.12426	-.10116	-.12003	-.09860	
.155	14.469	.00000	35.19246	-.14438	-.15011	-.14638	-.12613	-.14490	-.12097	
.155	16.505	.00000	35.30930	-.17753	-.18189	-.17772	-.15864	-.17365	-.15054	
.156	18.525	.00000	35.47583	-.21500	-.21828	-.21534	-.19522	-.20883	-.18438	
.156	20.522	.00000	35.59509	-.25240	-.25465	-.25172	-.23362	-.24570	-.22090	
.156	22.535	.00000	35.82815	-.27339	-.27505	-.27237	-.25934	-.26825	-.24505	
.156	24.491	.00000	35.74044	-.30629	-.30789	-.30601	-.29104	-.29621	-.27313	
.156	26.818	.00000	35.86269	-.34306	-.34282	-.33877	-.35026	-.35389	-.33324	
	GRADIENT	.00000	-.00528	.00129	.00156	.00213	.00240	.00244	.00339	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

(PJF024) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -10.000

RUN NO. 24/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.780	.00000	35.18215	-.05886	-.07602	-.07158	-.04674	-.07773	-.06487	
.155	.283	.00000	35.16858	-.04897	-.06596	-.05914	-.03766	-.06832	-.05307	
.155	2.447	.00000	35.17490	-.04770	-.06411	-.05556	-.03492	-.06660	-.04907	
.155	4.399	.00000	35.34089	-.05332	-.06780	-.05904	-.03325	-.06548	-.04567	
.155	6.375	.00000	35.17478	-.06219	-.07463	-.06787	-.04081	-.07325	-.05174	
.155	8.576	.00000	35.03186	-.07813	-.08744	-.08170	-.05660	-.08902	-.06443	
.155	10.609	.00000	35.16498	-.10165	-.10902	-.10514	-.07672	-.10466	-.08081	
.155	12.617	.00000	35.20048	-.12736	-.13360	-.12963	-.09931	-.12617	-.10130	
.155	14.526	.00000	35.22236	-.15204	-.15638	-.15313	-.12193	-.14955	-.12235	
.155	16.573	.00000	35.27042	-.18010	-.18128	-.17956	-.15165	-.17710	-.14990	
.155	18.557	.00000	35.33887	-.21971	-.21922	-.21967	-.18798	-.21245	-.18468	
.156	20.561	.00000	35.48249	-.25082	-.24829	-.25063	-.22189	-.24438	-.21770	
.156	22.541	.00000	35.59342	-.28150	-.27658	-.28011	-.25365	-.27360	-.24679	
.156	24.551	.00000	35.79867	-.31237	-.30604	-.31236	-.28120	-.29907	-.27268	
.157	26.536	.00000	36.12889	-.34335	-.33526	-.33970	-.33334	-.35002	-.32669	
	GRADIENT	.00000	.02297	.00088	.00130	.00201	.00209	.00186	.00299	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

(PJF025) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -10.000

RUN NO. 25/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.807	.00000	35.26944	-.05128	-.06984	-.06289	-.04565	-.06903	-.05652
.155	.266	.00000	35.15725	-.04354	-.06279	-.05381	-.03860	-.06263	-.04768
.155	2.430	.00000	35.22689	-.04505	-.06307	-.05292	-.03437	-.05831	-.04135
.155	4.421	.00000	35.19792	-.05185	-.06954	-.05846	-.03850	-.06315	-.04380
.155	6.546	.00000	35.14184	-.05964	-.07564	-.06495	-.04587	-.07023	-.04841
.155	8.567	.00000	35.19957	-.07427	-.08830	-.07818	-.05937	-.08200	-.05867
.155	10.449	.00000	35.03933	-.09550	-.10765	-.09835	-.07802	-.09793	-.07523
.155	12.545	.00000	35.23708	-.11922	-.13024	-.12083	-.10145	-.12047	-.09636
.155	14.501	.00000	35.20622	-.14432	-.15417	-.14477	-.12427	-.14360	-.11623
.155	16.539	.00000	35.25932	-.17819	-.18591	-.17730	-.15714	-.17469	-.14722
.155	18.616	.00000	35.33063	-.21670	-.22338	-.21749	-.19256	-.20866	-.18051
.156	20.661	.00000	35.48323	-.24933	-.25420	-.24802	-.22685	-.24147	-.21311
.156	22.563	.00000	35.67238	-.27903	-.28225	-.27841	-.25617	-.26871	-.24015
.156	24.463	.00000	35.79295	-.30701	-.30834	-.30632	-.28347	-.29456	-.26734
.156	26.515	.00000	35.81262	-.34004	-.33886	-.33546	-.33743	-.34757	-.32178
	GRADIENT	.00000	-.00686	-.00014	.00004	.00069	.00125	.00107	.00215

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F3005.3.5

(PJF026) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 10.000

RUN NO. 26/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.777	.00000	35.13541	-.05042	-.07064	-.06254	-.04911	-.07536	-.06276	
.155	.348	.00000	35.04745	-.04492	-.06396	-.05447	-.03607	-.06316	-.04751	
.155	2.427	.00000	35.02353	-.04621	-.06401	-.05225	-.03382	-.06212	-.04369	
.155	4.442	.00000	35.13854	-.04885	-.06763	-.05477	-.03475	-.06552	-.04512	
.155	6.518	.00000	35.24305	-.06452	-.07902	-.06896	-.04657	-.07648	-.05290	
.155	8.571	.00000	35.20722	-.07677	-.08896	-.07987	-.05822	-.08669	-.06155	
.155	10.548	.00000	35.29142	-.09410	-.10445	-.09610	-.07499	-.10040	-.07647	
.155	12.594	.00000	35.25795	-.12300	-.13244	-.12454	-.09865	-.12302	-.09700	
.155	14.602	.00000	35.02955	-.15029	-.15737	-.15153	-.12278	-.14779	-.11852	
.155	16.639	.00000	35.16978	-.18389	-.18828	-.18296	-.15854	-.18119	-.15322	
.155	18.510	.00000	35.31085	-.21508	-.21761	-.21400	-.18909	-.21079	-.18240	
.156	20.619	.00000	35.52147	-.25178	-.25257	-.25121	-.22570	-.24641	-.21715	
.156	22.488	.00000	35.68669	-.28139	-.27900	-.28113	-.25206	-.26952	-.24175	
.156	24.632	.00000	35.70534	-.31120	-.30694	-.31092	-.28296	-.29867	-.27184	
.157	26.447	.00000	36.19881	-.33810	-.33239	-.33340	-.33402	-.34964	-.32530	
	GRADIENT	.00000	-.00096	.00018	.00045	.00124	.00220	.00149	.00276	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

(PJF027) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000

RUN NO. 27/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.804	.00000	35.11921	-.05327	-.07252	-.06575	-.04732	-.07463	-.06090	
.155	.262	.00000	35.11236	-.04335	-.06518	-.05288	-.03913	-.06488	-.04908	
.155	2.396	.00000	35.16340	-.04339	-.06230	-.05132	-.03493	-.06322	-.04478	
.155	4.480	.00000	35.10738	-.04983	-.06771	-.05615	-.03663	-.06590	-.04493	
.155	6.556	.00000	35.15553	-.06663	-.08155	-.07225	-.04493	-.07499	-.05067	
.155	8.536	.00000	35.20249	-.07835	-.09034	-.08181	-.06004	-.08855	-.06273	
.155	10.601	.00000	35.22138	-.09734	-.10790	-.10009	-.07701	-.10278	-.07732	
.155	12.529	.00000	35.12843	-.11664	-.12522	-.11837	-.09641	-.12243	-.09648	
.155	14.421	.00000	35.26509	-.14904	-.15572	-.15055	-.12448	-.15045	-.12096	
.156	16.634	.00000	35.46739	-.18578	-.18926	-.18621	-.15518	-.17883	-.14987	
.155	18.605	.00000	35.40482	-.21657	-.21881	-.21696	-.18943	-.21175	-.18201	
.156	20.591	.00000	35.56265	-.25299	-.25317	-.25237	-.22767	-.24642	-.21953	
.156	22.533	.00000	35.65892	-.27989	-.27654	-.27967	-.25140	-.27081	-.24178	
.156	24.582	.00000	35.87511	-.31371	-.30944	-.31443	-.28328	-.30671	-.27179	
.157	26.401	.00000	36.01711	-.34414	-.33820	-.34056	-.33764	-.35387	-.32822	
	GRADIENT	.00000	.00078	.00049	.00082	.00144	.00173	.00132	.00248	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) KIV9.1.2TS2H15.1F30G5.3.5

(PJF028) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000

RUN NO. 28/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.846	.00000	35.21666	-.05079	-.07089	-.06130	-.04440	-.07270	-.05918
.155	.316	.00000	35.12482	-.03861	-.05928	-.04782	-.03912	-.06826	-.05180
.155	2.456	.00000	35.04221	-.04690	-.06535	-.05292	-.03516	-.06627	-.04634
.155	4.459	.00000	35.19659	-.05028	-.06771	-.05498	-.03714	-.06872	-.04693
.155	6.468	.00000	35.02170	-.06788	-.08241	-.07123	-.04613	-.07935	-.05462
.155	8.610	.00000	35.16268	-.07922	-.09024	-.08114	-.05855	-.08982	-.06397
.155	10.495	.00000	35.07056	-.09448	-.10386	-.09620	-.07656	-.10528	-.07991
.155	12.532	.00000	35.15922	-.12143	-.12829	-.12228	-.09811	-.12648	-.09969
.155	14.498	.00000	35.23082	-.15217	-.15611	-.15170	-.12575	-.15546	-.12522
.155	16.602	.00000	35.20915	-.18362	-.18552	-.18190	-.16172	-.18862	-.16001
.155	18.598	.00000	35.19514	-.22214	-.22205	-.22138	-.19115	-.21737	-.18737
.155	20.571	.00000	35.41248	-.25222	-.24895	-.25015	-.22603	-.25119	-.22138
.155	22.556	.00000	35.43890	-.28158	-.27517	-.27991	-.25535	-.27837	-.24987
.157	24.589	.00000	35.97308	-.31751	-.30940	-.31732	-.28593	-.30680	-.27835
.157	26.406	.00000	36.31780	-.34192	-.33208	-.33820	-.32838	-.34860	-.32190
	GRADIENT	.00000	-.00728	-.00030	.00014	.00068	.00124	.00067	.00202

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 302

(CA-8) KIV9.1.2TS2H15.1F30G5.3.5

(PJF029) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000

RUN NO. 29/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.724	.00000	35.23801	-.05847	-.06352	-.07501	-.04208	-.07357	-.06525
.155	.319	.00000	35.21162	-.05144	-.05670	-.06540	-.03213	-.06313	-.05239
.155	2.482	.00000	35.19878	-.05381	-.05901	-.06503	-.02715	-.05883	-.04654
.155	4.418	.00000	35.19312	-.06090	-.06634	-.07085	-.03306	-.06471	-.04890
.155	6.466	.00000	35.23205	-.07122	-.07538	-.08019	-.04205	-.07373	-.05487
.155	8.380	.00000	35.19540	-.08096	-.08419	-.08787	-.05439	-.08479	-.06376
.155	10.466	.00000	35.19817	-.10259	-.10477	-.10836	-.07345	-.10115	-.08019
.155	12.552	.00000	35.20583	-.12695	-.12809	-.13116	-.09839	-.12430	-.10207
.155	14.591	.00000	35.27829	-.15315	-.15245	-.15574	-.12169	-.14884	-.12349
.155	16.592	.00000	35.20559	-.18977	-.18715	-.19143	-.15380	-.17899	-.15283
.155	18.516	.00000	35.35639	-.22078	-.21911	-.22149	-.18924	-.21327	-.18693
.156	20.563	.00000	35.52556	-.25402	-.24799	-.25340	-.22521	-.24837	-.22170
.156	22.407	.00000	35.54662	-.28216	-.27381	-.28156	-.25584	-.27122	-.24509
.156	24.379	.00000	35.90125	-.30603	-.29929	-.30765	-.28077	-.30016	-.27422
.159	26.410	.00000	36.46772	-.34564	-.33550	-.34328	-.32911	-.34714	-.32188
	GRADIENT	.00000	-.00718	-.00046	-.00051	.00064	.00158	.00152	.00269

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

(PJF030) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO. 30/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.744	.00000	35.23012	-.06241	-.06490	-.07928	-.04345	-.07452	-.06643
.155	.307	.00000	35.27458	-.05301	-.05610	-.06689	-.03383	-.06454	-.05433
.155	2.378	.00000	35.08725	-.05608	-.05927	-.06814	-.03052	-.06168	-.04879
.155	4.385	.00000	35.20734	-.06002	-.06310	-.06996	-.02804	-.05896	-.04371
.155	5.460	.00000	35.21708	-.06700	-.06994	-.07644	-.03800	-.06929	-.05223
.155	6.481	.00000	35.21577	-.06937	-.07131	-.07721	-.04253	-.07454	-.05614
.155	7.488	.00000	35.02809	-.07656	-.07733	-.08404	-.04749	-.07840	-.05815
.155	8.511	.00000	35.03047	-.08841	-.08790	-.09492	-.05387	-.08399	-.06286
.155	9.510	.00000	35.03554	-.09670	-.09617	-.10229	-.06207	-.08987	-.07032
.155	10.468	.00000	35.04366	-.10513	-.10464	-.11019	-.07322	-.10016	-.07950
.155	11.446	.00000	35.07548	-.11657	-.11624	-.12104	-.08474	-.11177	-.09050
.155	12.554	.00000	35.20880	-.12654	-.12579	-.13037	-.09203	-.11873	-.09620
.155	13.517	.00000	35.21258	-.14108	-.13950	-.14351	-.11198	-.13910	-.11574
.155	14.477	.00000	35.22317	-.15597	-.15363	-.15815	-.12419	-.15140	-.12597
.155	15.557	.00000	35.26316	-.17103	-.16715	-.17257	-.13944	-.16495	-.13971
.155	16.481	.00000	35.32478	-.18509	-.18143	-.18675	-.15048	-.17512	-.15023
.155	17.540	.00000	35.29442	-.20476	-.19943	-.20498	-.17103	-.19531	-.16978
.155	18.501	.00000	35.36309	-.22269	-.21725	-.22376	-.18740	-.21107	-.18456
.155	19.589	.00000	35.42674	-.24340	-.23686	-.24334	-.20871	-.23187	-.20521
.156	20.581	.00000	35.54598	-.25543	-.24785	-.25555	-.22194	-.24486	-.21847
.156	21.567	.00000	35.55995	-.26916	-.26052	-.26834	-.23768	-.25948	-.23254
.156	22.537	.00000	35.60364	-.28584	-.27562	-.28478	-.25225	-.27292	-.24697
.157	23.447	.00000	36.09745	-.29484	-.28546	-.29341	-.26753	-.28762	-.26200
.156	24.452	.00000	35.77712	-.31943	-.30852	-.32009	-.28276	-.30200	-.27546
.157	25.454	.00000	36.09796	-.32977	-.31813	-.32822	-.30484	-.32366	-.29829
.157	26.378	.00000	36.01610	-.34354	-.33058	-.34034	-.32962	-.34798	-.32418
	GRADIENT	.00000	-.01264	.00021	.00011	.00131	.00242	.00242	.00360

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 364

(CA-8) K1V9.1.2TS2H15.1F30G5.3.5

(PJF031) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 SREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000

RUN NO. 31/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	O(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.704	.00000	35.23537	-.04904	-.06855	-.06226	-.05206	-.08130	-.06720
.155	.279	.00000	35.22109	-.04490	-.06377	-.05548	-.04051	-.06998	-.05410
.155	2.330	.00000	35.21397	-.04428	-.06218	-.05216	-.03665	-.06822	-.04879
.155	4.315	.00000	35.27435	-.05372	-.06888	-.05947	-.03563	-.06901	-.04684
.155	5.409	.00000	35.15428	-.05742	-.07171	-.06280	-.03926	-.07399	-.05090
.155	6.462	.00000	35.01927	-.06638	-.07828	-.07131	-.04341	-.07858	-.05391
.155	7.458	.00000	35.04360	-.07724	-.08602	-.08120	-.05247	-.08590	-.06001
.155	8.513	.00000	35.03199	-.08011	-.08598	-.08520	-.05706	-.09112	-.06522
.155	9.555	.00000	35.04714	-.09525	-.10141	-.09969	-.06728	-.09991	-.07438
.155	10.551	.00000	35.15280	-.10436	-.10838	-.10859	-.07109	-.10199	-.07684
.155	11.548	.00000	35.06625	-.11667	-.11904	-.11921	-.08615	-.11661	-.09178
.155	12.550	.00000	35.20279	-.13011	-.13130	-.13272	-.09930	-.13018	-.10404
.155	13.716	.00000	35.21376	-.14540	-.14544	-.14660	-.11379	-.14527	-.11769
.155	14.521	.00000	35.22906	-.16145	-.16092	-.16315	-.12735	-.15848	-.12936
.155	15.477	.00000	35.26557	-.17479	-.17148	-.17742	-.13513	-.16548	-.13720
.155	16.529	.00000	35.15252	-.18995	-.18472	-.19127	-.15591	-.18515	-.15885
.155	17.495	.00000	35.15348	-.20940	-.20352	-.21196	-.17138	-.19969	-.17232
.155	18.530	.00000	35.28700	-.22943	-.22279	-.23197	-.19013	-.21725	-.19002
.155	19.646	.00000	35.41458	-.24363	-.23560	-.24397	-.20971	-.23534	-.20816
.156	20.499	.00000	35.53259	-.25787	-.24885	-.25910	-.22292	-.24863	-.22127
GRADIENT		.00000	.00544	-.00067	.00003	.00058	.00264	.00192	.00330

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 365

(CA-8) KIV9.1.2TS2 F30G5.3.5

(PJF032) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 32/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.720	.00000	35.23682	-.04857	-.07174	-.06063	-.05295	-.07866	-.06673	
.155	.369	.00000	35.04976	-.04286	-.06487	-.05126	-.04334	-.06982	-.05686	
.155	2.260	.00000	35.03200	-.04691	-.06675	-.05372	-.03517	-.06691	-.04792	
.155	3.297	.00000	35.09134	-.05166	-.06935	-.05718	-.03733	-.06957	-.04910	
.155	4.421	.00000	35.13602	-.05256	-.07061	-.05842	-.04134	-.07426	-.05352	
.155	5.426	.00000	35.03748	-.05868	-.07546	-.06334	-.04427	-.07729	-.05491	
.155	6.542	.00000	35.05435	-.06885	-.08139	-.07255	-.04697	-.08299	-.05717	
.155	7.506	.00000	35.12677	-.07629	-.08806	-.07983	-.05137	-.08683	-.05988	
.155	8.559	.00000	35.21142	-.08478	-.09512	-.08657	-.06252	-.09694	-.07030	
.155	9.421	.00000	35.30061	-.09047	-.09939	-.09252	-.06410	-.09745	-.07130	
.155	10.464	.00000	35.26782	-.10248	-.11047	-.10358	-.07596	-.10803	-.08206	
.155	11.464	.00000	35.13801	-.11094	-.11875	-.11120	-.08727	-.11991	-.09356	
.155	12.456	.00000	35.05678	-.12835	-.13469	-.12856	-.09711	-.12967	-.10202	
.155	13.493	.00000	35.20932	-.14030	-.14500	-.13927	-.11244	-.14590	-.11731	
.155	14.463	.00000	35.20945	-.15493	-.15919	-.15404	-.12335	-.15687	-.12521	
.155	15.543	.00000	35.25174	-.17368	-.17566	-.17170	-.14606	-.17758	-.14780	
.155	16.461	.00000	35.26871	-.19149	-.19271	-.18999	-.15710	-.18728	-.15694	
.155	17.483	.00000	35.14792	-.21023	-.20997	-.20850	-.17368	-.20374	-.17313	
.155	18.476	.00000	35.35841	-.22625	-.22502	-.22417	-.19239	-.22187	-.19081	
.155	19.492	.00000	35.25785	-.24766	-.24404	-.24454	-.20894	-.23827	-.20696	
.155	20.430	.00000	35.34719	-.25870	-.25481	-.25625	-.22558	-.25428	-.22358	
.156	21.453	.00000	35.52112	-.27186	-.26580	-.26795	-.24201	-.26910	-.23946	
.156	22.482	.00000	35.58961	-.28946	-.28252	-.28719	-.25280	-.27975	-.24968	
.156	23.413	.00000	35.88617	-.30394	-.29488	-.30018	-.26747	-.29314	-.26398	
.156	24.470	.00000	35.84981	-.32020	-.31007	-.31854	-.28120	-.30606	-.27668	
.157	25.399	.00000	36.12352	-.33569	-.32500	-.33211	-.30854	-.33229	-.30457	
.157	26.285	.00000	36.11378	-.35071	-.33807	-.34655	-.32639	-.35061	-.32294	
	GRADIENT	.00000	-.01501	-.00095	.00001	.00010	.00220	.00086	.00253	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 366

(CA-8) K1V9.1.2TS3 F30G5.3.5

(PJF034) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090

RUN NO. 34/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.750	.00000	35.18082	-.05242	-.07417	-.06562	-.05353	-.07494	-.06394	
.155	.283	.00000	35.12172	-.04879	-.06974	-.05938	-.04183	-.06409	-.05095	
.155	2.315	.00000	35.06537	-.05106	-.07172	-.05894	-.04240	-.06653	-.05008	
.155	4.435	.00000	35.18785	-.05304	-.07230	-.05925	-.04260	-.06750	-.04734	
.155	5.394	.00000	35.18287	-.06053	-.07918	-.06463	-.04850	-.07431	-.05321	
.155	6.403	.00000	35.19177	-.06563	-.08282	-.06930	-.05076	-.07831	-.05555	
.155	7.468	.00000	35.21879	-.07219	-.08778	-.07419	-.05615	-.08488	-.06090	
.155	8.437	.00000	35.13111	-.08180	-.09630	-.08292	-.06000	-.08898	-.06340	
.155	9.427	.00000	35.03843	-.08918	-.10213	-.08868	-.06754	-.09731	-.07071	
.155	10.447	.00000	35.11069	-.10290	-.11381	-.10252	-.07644	-.10639	-.07888	
.155	11.464	.00000	35.17748	-.11146	-.12226	-.11052	-.08941	-.11884	-.09135	
.155	12.551	.00000	35.21250	-.12889	-.13813	-.12727	-.10109	-.13045	-.10186	
.155	13.512	.00000	35.30185	-.14114	-.14959	-.13966	-.11434	-.14319	-.11428	
.155	14.499	.00000	35.06788	-.15543	-.16222	-.15306	-.12579	-.15491	-.12523	
.155	15.469	.00000	35.11131	-.16976	-.17577	-.16753	-.14109	-.17035	-.14029	
.155	16.480	.00000	35.11626	-.19070	-.19502	-.18814	-.15837	-.18659	-.15564	
.155	17.450	.00000	35.19178	-.21407	-.21700	-.21187	-.17479	-.20240	-.17073	
.155	18.603	.00000	35.32250	-.22474	-.22574	-.22040	-.19399	-.22103	-.19045	
.155	19.573	.00000	35.30207	-.24563	-.24645	-.24292	-.21091	-.23765	-.20616	
.155	20.608	.00000	35.37309	-.25899	-.25781	-.25529	-.22768	-.25409	-.22302	
.155	21.578	.00000	35.36520	-.27427	-.27072	-.26866	-.24593	-.27172	-.24174	
.156	22.471	.00000	35.61175	-.28415	-.28007	-.27966	-.25532	-.27972	-.24944	
.156	23.451	.00000	35.84162	-.29874	-.29257	-.29433	-.26606	-.28943	-.25954	
.157	24.447	.00000	35.97041	-.31824	-.31165	-.31402	-.28683	-.30878	-.27944	
.157	25.442	.00000	35.98499	-.33609	-.32768	-.33221	-.30896	-.33104	-.30144	
.157	26.285	.00000	35.95825	-.34795	-.33783	-.34202	-.33149	-.35308	-.32585	
	GRADIENT	.00000	-.00149	-.00021	.00017	.00054	.00156	.00096	.00245	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS2F30H15.6.1G5.3.5TS401

(PJF035) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 35/ 3 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.823	.00000	35.19511	-.04852	-.06113	-.06103	-.03426	-.06820	-.05459
.155	.272	.00000	35.12685	-.03127	-.04454	-.04133	-.02504	-.05805	-.04254
.155	2.367	.00000	35.20501	-.03327	-.04323	-.03981	-.01923	-.05211	-.03472
.155	4.461	.00000	35.16323	-.03897	-.04742	-.04350	-.01746	-.05125	-.03178
.155	6.438	.00000	35.28844	-.04475	-.05015	-.04757	-.02295	-.05589	-.03597
.155	8.628	.00000	35.25476	-.05806	-.06049	-.05951	-.03183	-.06497	-.04296
.155	10.488	.00000	35.30162	-.07525	-.07613	-.07483	-.04737	-.08035	-.05617
.155	12.534	.00000	35.11212	-.09856	-.09683	-.09787	-.06779	-.09864	-.07574
.155	14.535	.00000	35.21880	-.11856	-.11593	-.11823	-.09643	-.12032	-.09570
.155	16.519	.00000	35.26246	-.14645	-.14296	-.14683	-.11727	-.14492	-.12112
.155	18.655	.00000	35.34393	-.18489	-.18001	-.18429	-.15361	-.17996	-.15590
.156	20.590	.00000	35.47687	-.22572	-.21815	-.22557	-.19108	-.21584	-.19002
.156	22.658	.00000	35.61697	-.26696	-.25801	-.26690	-.23342	-.25713	-.23156
.156	24.603	.00000	35.78959	-.30124	-.28877	-.29911	-.27476	-.29738	-.27276
.157	26.806	.00000	35.98137	-.33385	-.32021	-.32895	-.32468	-.34668	-.32372
	GRADIENT	.00000	-.00083	.00127	.00203	.00259	.00268	.00271	.00364

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(PJF036) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 36/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.791	.00000	35.21870	-.04543	-.06222	-.06184	-.03717	-.06715	-.05464
.155	.264	.00000	35.24866	-.03433	-.05094	-.04856	-.02599	-.05589	-.04085
.155	2.330	.00000	35.22441	-.03027	-.04343	-.04033	-.01581	-.04659	-.02899
.155	4.420	.00000	35.24625	-.03560	-.04704	-.04400	-.01622	-.04625	-.02804
.155	6.488	.00000	35.27711	-.04147	-.05131	-.04859	-.01912	-.04936	-.02880
.155	8.574	.00000	35.33472	-.05811	-.06600	-.06298	-.03508	-.06472	-.04264
.155	10.564	.00000	35.16901	-.06455	-.07077	-.06866	-.04289	-.07165	-.04861
.155	12.592	.00000	34.97262	-.09170	-.09501	-.09432	-.06910	-.09612	-.07359
.155	14.565	.00000	35.13128	-.11647	-.11902	-.11937	-.09300	-.11894	-.09436
.155	16.595	.00000	35.27169	-.14893	-.15000	-.15277	-.12290	-.14619	-.12163
.156	18.587	.00000	35.42153	-.17849	-.17843	-.18063	-.15209	-.17410	-.14880
.156	20.559	.00000	35.61032	-.21418	-.21273	-.21683	-.18891	-.20981	-.18445
.156	22.594	.00000	35.59977	-.25939	-.25588	-.26252	-.22906	-.24855	-.22247
.156	24.641	.00000	35.57815	-.29558	-.29083	-.29863	-.26826	-.28598	-.25965
.156	26.788	.00000	35.54711	-.33594	-.32936	-.33620	-.32316	-.33970	-.31531
	GRADIENT	.00000	.00282	.00161	.00256	.00298	.00352	.00347	.00442

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(PJF037) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 37/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.826	.00000	35.03682	-.04688	-.05530	-.06927	-.03523	-.06521	-.05773
.155	.286	.00000	35.16246	-.03597	-.04515	-.05412	-.02021	-.05033	-.03976
.155	2.419	.00000	35.22397	-.03436	-.04182	-.04860	-.01149	-.04111	-.02954
.155	4.444	.00000	35.35779	-.03771	-.04500	-.04985	-.01201	-.04131	-.02742
.155	6.492	.00000	35.30964	-.04324	-.04896	-.05262	-.02043	-.04900	-.03330
.155	8.630	.00000	35.11768	-.05951	-.06425	-.06722	-.03094	-.05868	-.04044
.155	10.528	.00000	35.25425	-.06890	-.07260	-.07520	-.04521	-.07230	-.05217
.155	12.598	.00000	35.24904	-.09278	-.09479	-.09832	-.06132	-.08627	-.06734
.155	14.653	.00000	35.20879	-.11867	-.12055	-.12381	-.09047	-.11434	-.09267
.155	16.534	.00000	35.27729	-.14694	-.14769	-.15120	-.12016	-.14092	-.11888
.156	18.567	.00000	35.47111	-.17942	-.18020	-.18382	-.15522	-.17484	-.15210
.155	20.587	.00000	35.51905	-.21618	-.21447	-.21806	-.19421	-.21244	-.18910
.156	22.569	.00000	35.61685	-.25903	-.25598	-.26178	-.23589	-.25309	-.22909
.156	24.574	.00000	35.62066	-.29920	-.29477	-.30294	-.26994	-.28587	-.26174
.156	26.784	.00000	35.63990	-.32755	-.32190	-.32598	-.32562	-.34009	-.31859
	GRADIENT	.00000	.04886	.00140	.00165	.00306	.00376	.00388	.00484

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 370

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(PJF038) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORR = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO.		38/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.726	.00000	35.11492	-.05256	-.05994	-.07554	-.04078	-.06853	-.06294	
.155	.283	.00000	35.07360	-.03785	-.04693	-.05645	-.02148	-.04901	-.03930	
.155	2.405	.00000	34.98438	-.03548	-.04249	-.04952	-.01474	-.04200	-.03105	
.155	4.477	.00000	34.98251	-.03785	-.04387	-.04992	-.01383	-.04107	-.02830	
.155	5.516	.00000	35.08261	-.04259	-.04896	-.05410	-.01984	-.04658	-.03263	
.155	6.251	.00000	35.09260	-.04313	-.04963	-.05346	-.02142	-.04819	-.03278	
.155	7.511	.00000	35.04211	-.04697	-.05157	-.05534	-.02378	-.05029	-.03423	
.155	8.519	.00000	35.02648	-.05379	-.05804	-.06166	-.02927	-.05606	-.03904	
.155	9.474	.00000	35.06267	-.06109	-.06577	-.06904	-.03742	-.06344	-.04552	
.155	10.585	.00000	35.10584	-.06733	-.07002	-.07295	-.04394	-.06900	-.04940	
.155	11.578	.00000	35.11659	-.07733	-.08032	-.08243	-.05233	-.07804	-.05816	
.155	12.584	.00000	35.09869	-.09267	-.09529	-.09791	-.06672	-.08962	-.07067	
.155	13.578	.00000	35.18785	-.10205	-.10529	-.10705	-.07941	-.10320	-.08239	
.155	14.624	.00000	35.23168	-.11750	-.11931	-.12148	-.09334	-.11510	-.09504	
.155	15.637	.00000	35.25011	-.13252	-.13501	-.13779	-.10575	-.12530	-.10413	
.155	16.611	.00000	35.32553	-.14989	-.15134	-.15484	-.12109	-.13957	-.11872	
.156	17.637	.00000	35.44014	-.16739	-.16853	-.17123	-.14137	-.15950	-.13700	
.156	18.688	.00000	35.50448	-.18090	-.18160	-.18372	-.15978	-.17735	-.15552	
.155	19.477	.00000	35.31677	-.19332	-.19543	-.19570	-.17779	-.19429	-.17285	
.156	20.515	.00000	35.39950	-.22001	-.21868	-.22347	-.19068	-.20681	-.18350	
.156	21.579	.00000	35.42426	-.24141	-.23971	-.24378	-.21472	-.23040	-.20715	
.156	22.577	.00000	35.38790	-.26260	-.26006	-.26545	-.23717	-.25248	-.22860	
.156	23.661	.00000	35.43000	-.28360	-.28049	-.28613	-.25703	-.27162	-.24720	
.156	24.594	.00000	35.68987	-.30189	-.29778	-.30440	-.27609	-.28911	-.26486	
.157	25.617	.00000	35.96654	-.31724	-.31265	-.31823	-.29850	-.31141	-.28842	
.157	26.972	.00000	35.98442	-.34065	-.33620	-.33913	-.33481	-.34712	-.32550	
	GRADIENT	.00000	-.02044	.00209	.00232	.00367	.00382	.00390	.00487	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 371

(CA-8) K2V9.1.2TS5F30H15.6.105.3.5TS401

(PJF039) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 39/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.766	.00000	35.32217	-.05364	-.06722	-.07174	-.04263	-.07193	-.06432
.155	.311	.00000	35.23015	-.03639	-.05051	-.05138	-.02239	-.05083	-.04016
.155	2.372	.00000	35.31679	-.03562	-.04691	-.04668	-.01387	-.04275	-.03002
.155	4.379	.00000	35.22171	-.03711	-.04777	-.04667	-.01512	-.04297	-.02876
.155	6.461	.00000	35.15206	-.04733	-.05707	-.05522	-.02566	-.05204	-.03578
.155	8.449	.00000	35.15371	-.05678	-.06532	-.06258	-.03656	-.06132	-.04440
.155	10.493	.00000	35.17217	-.07092	-.07902	-.07493	-.05062	-.07395	-.05534
.155	12.544	.01000	35.24128	-.09170	-.09985	-.09455	-.06634	-.08576	-.06782
.155	14.532	.01000	35.18944	-.11731	-.12659	-.12133	-.09736	-.11503	-.09522
.155	16.588	.01000	35.33974	-.14598	-.15403	-.15023	-.12422	-.13813	-.11836
.155	18.585	.01000	35.33040	-.17797	-.18581	-.18097	-.15711	-.16874	-.14824
.156	20.604	.01000	35.48051	-.21780	-.22452	-.22050	-.19517	-.20541	-.18332
.156	22.576	.01000	35.65457	-.25285	-.25911	-.25379	-.23723	-.24467	-.22336
.157	24.546	.01000	35.91252	-.29575	-.30166	-.29861	-.27957	-.28530	-.26240
.157	26.727	.01000	36.23373	-.33936	-.34344	-.33655	-.31322	-.31730	-.28910
GRADIENT		.00000	-.00962	.00232	.00279	.00357	.00404	.00421	.00514

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 372

(CA-8) K2V9.1.2TS5F30H15.6.165.3.5TS401

(PJF040) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 10.000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 40/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.738	.00000	35.21890	-.05313	-.06885	-.07097	-.04829	-.07510	-.06660
.155	.307	.00000	35.17788	-.03493	-.05085	-.04922	-.02678	-.05316	-.04186
.155	2.336	.00000	35.16430	-.03219	-.04446	-.04265	-.01271	-.03927	-.02582
.155	4.382	.00000	35.15030	-.03457	-.04677	-.04383	-.01589	-.04145	-.02701
.155	6.461	.00000	35.15782	-.04102	-.05294	-.04940	-.02066	-.04492	-.02873
.155	8.427	.00000	35.13839	-.05081	-.05238	-.05711	-.03046	-.05338	-.03650
.155	10.430	.00000	35.17839	-.06477	-.07648	-.07081	-.04993	-.07124	-.05353
.155	12.511	.00000	35.18148	-.08916	-.09891	-.09267	-.07036	-.08793	-.07035
.155	14.525	.00000	35.20592	-.10955	-.11989	-.11369	-.09027	-.10640	-.08634
.155	16.551	.00000	35.23737	-.14442	-.15498	-.14837	-.12646	-.13940	-.11831
.155	18.564	.00000	35.33929	-.17613	-.18553	-.17953	-.15503	-.16600	-.14485
.156	20.577	.00000	35.46984	-.20827	-.21709	-.20997	-.19815	-.20586	-.18586
.156	22.598	.00000	35.64310	-.25153	-.25987	-.25364	-.23797	-.24421	-.22281
.156	24.524	.00000	35.89908	-.28908	-.29705	-.29052	-.27855	-.28336	-.26112
.157	26.761	.00000	36.22872	-.33154	-.33748	-.32960	-.33466	-.33721	-.31651
	GRADIENT	.00000	-.00957	.00268	.00326	.00394	.00491	.00506	.00592

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF041) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -10.000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 41/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.711	.00000	35.22022	-.05376	-.06909	-.07429	-.04489	-.06916	-.06331
.155	.308	.00000	35.18514	-.03847	-.05451	-.05501	-.02995	-.05254	-.04381
.155	2.318	.00000	35.16363	-.03062	-.04492	-.04382	-.01816	-.04051	-.03013
.155	4.334	.00000	35.15497	-.03023	-.04447	-.04229	-.01726	-.03866	-.02622
.155	6.370	.00000	35.14037	-.03891	-.05320	-.04888	-.02317	-.04594	-.03015
.155	8.478	.00000	35.13870	-.04719	-.06099	-.05547	-.03409	-.05291	-.03760
.155	10.403	.00000	35.14232	-.06530	-.07886	-.07213	-.04681	-.06436	-.04700
.155	12.528	.00000	35.14275	-.08027	-.09353	-.08646	-.06363	-.07890	-.05149
.155	14.498	.00000	35.15531	-.10663	-.11961	-.11277	-.09224	-.10516	-.08554
.155	16.542	.00000	35.19499	-.14427	-.15655	-.14940	-.13208	-.14150	-.12244
.155	18.556	.00000	35.26868	-.17891	-.19002	-.18306	-.16713	-.17512	-.15498
.155	20.539	.00000	35.39265	-.21192	-.22258	-.21551	-.19859	-.20493	-.18439
.156	22.560	.00000	35.55376	-.24406	-.25328	-.24632	-.23409	-.23917	-.21803
.156	24.549	.00000	35.80602	-.28565	-.29424	-.28642	-.28241	-.28638	-.26572
.157	26.988	.00000	35.15034	-.32544	-.33243	-.32474	-.33143	-.33359	-.31385
	GRADIENT	.00000	-.00953	.00349	.00369	.00474	.00416	.00455	.00548

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(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF042) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 42/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.695	.00000	35.23322	-.05531	-.07180	-.07388	-.04896	-.07407	-.06681
.155	.231	.00000	35.19189	-.02744	-.04397	-.04301	-.02269	-.04727	-.03715
.155	2.277	.00000	35.17455	-.03021	-.04399	-.04226	-.01861	-.04266	-.03090
.155	4.303	.00000	35.16462	-.03731	-.05041	-.04846	-.02361	-.04700	-.03405
.155	6.398	.00000	35.14517	-.03890	-.05182	-.04810	-.01999	-.04208	-.02780
.155	8.435	.00000	35.13759	-.04088	-.05275	-.04811	-.02590	-.04673	-.03133
.155	10.491	.00000	35.13743	-.06649	-.07750	-.07291	-.04500	-.06468	-.04700
.155	12.499	.00000	35.15916	-.07945	-.09028	-.08443	-.06315	-.07979	-.06342
.155	14.476	.00000	35.15257	-.10564	-.11825	-.11239	-.09315	-.10703	-.08890
.155	16.522	.00000	35.18370	-.13763	-.14790	-.14248	-.12349	-.13537	-.11700
.155	18.522	.00000	35.25694	-.17386	-.18369	-.17849	-.15948	-.16901	-.14956
.155	20.525	.00000	35.37601	-.21046	-.21858	-.21522	-.18740	-.19611	-.17436
.156	22.571	.00000	35.52603	-.24503	-.25212	-.24651	-.23922	-.24579	-.22634
.156	24.513	.00000	35.76056	-.27053	-.27614	-.27231	-.26356	-.26820	-.24873
.157	27.012	.00000	36.11764	-.31385	-.31756	-.31222	-.32598	-.32937	-.31222
	GRADIENT	.00000	-.00989	.00254	.00308	.00366	.00373	.00397	.00479

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5F30G5.3.5TS401

(PJF043) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 43/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.853	.00000	35.21008	-.05236	-.07024	-.06982	-.04785	-.07388	-.06505
.155	.334	.00000	35.17744	-.02958	-.04696	-.04313	-.02291	-.04860	-.03693
.155	2.341	.00000	35.16485	-.02959	-.04514	-.03971	-.01747	-.04275	-.02950
.155	4.399	.00000	35.15657	-.03669	-.05111	-.04553	-.01748	-.04337	-.02755
.155	6.414	.00000	35.15086	-.04182	-.05478	-.04902	-.02430	-.04833	-.03226
.155	8.447	.00000	35.16034	-.04535	-.05614	-.05133	-.02839	-.05203	-.03421
.155	10.436	.00000	35.16729	-.06581	-.07628	-.07107	-.04473	-.06686	-.04790
.155	12.474	.00000	35.16614	-.08235	-.09094	-.08579	-.06108	-.07923	-.06122
.155	14.512	.00000	35.18556	-.11496	-.12340	-.11902	-.09374	-.11009	-.09054
.155	16.532	.00000	35.22749	-.14705	-.15480	-.15095	-.12356	-.13774	-.11740
.155	18.562	.00000	35.30599	-.18280	-.18913	-.18611	-.16129	-.17347	-.15224
.155	20.592	.00000	35.43970	-.21454	-.21978	-.21653	-.19945	-.20995	-.18936
.156	22.563	.00000	35.60903	-.25356	-.25718	-.25563	-.23394	-.24284	-.22055
.156	24.521	.00000	35.88766	-.28978	-.29154	-.29085	-.28065	-.28823	-.26680
.157	26.939	.00000	36.18874	-.32448	-.32517	-.32116	-.33305	-.33841	-.32051
	GRADIENT	.00000	-.00746	.00228	.00278	.00352	.00428	.00432	.00527

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5

F30G5.3.5TS401

(PJF044) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 44/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.865	.00000	35.20323	-.05080	-.06843	-.06906	-.04740	-.07297	-.06469
.155	.349	.00000	35.17302	-.02565	-.04193	-.03931	-.02019	-.04675	-.03459
.155	2.318	.00000	35.16258	-.03156	-.04560	-.04204	-.01338	-.03966	-.02637
.155	4.417	.00000	35.15654	-.03078	-.04469	-.04049	-.01520	-.04090	-.02559
.155	6.401	.00000	35.16256	-.03865	-.05247	-.04707	-.02747	-.05203	-.03538
.155	8.515	.00000	35.16280	-.04889	-.05934	-.05520	-.03065	-.05419	-.03616
.155	10.524	.00000	35.17924	-.06539	-.07626	-.07105	-.04607	-.06838	-.04867
.155	12.528	.00000	35.19752	-.08857	-.09819	-.09306	-.06738	-.08719	-.06821
.155	14.524	.00000	35.20791	-.11567	-.12469	-.12165	-.09504	-.11219	-.09087
.155	16.542	.00000	35.26076	-.14063	-.14826	-.14425	-.12707	-.14162	-.12119
.155	18.582	.00000	35.34903	-.17827	-.18525	-.18241	-.16697	-.17849	-.15829
.156	20.572	.00000	35.48792	-.21424	-.21993	-.21777	-.19873	-.20935	-.18793
.156	22.566	.00000	35.66803	-.25004	-.25360	-.25293	-.23490	-.24519	-.22405
.157	24.533	.00000	35.91842	-.29069	-.29309	-.29363	-.27463	-.28293	-.26005
.157	26.930	.00000	36.25971	-.32652	-.32675	-.32429	-.33240	-.33835	-.31913
	GRADIENT	.00000	-.00650	.00257	.00313	.00380	.00459	.00457	.00551

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF045) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 45/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.748	.00000	35.21398	-.05236	-.06886	-.07059	-.04331	-.07140	-.06270
.155	.337	.00000	35.17661	-.02998	-.04650	-.04473	-.02155	-.04891	-.03732
.155	2.336	.00000	35.16444	-.03038	-.04239	-.04165	-.01565	-.04336	-.02990
.155	4.427	.00000	35.15601	-.03354	-.04469	-.04398	-.01293	-.04028	-.02520
.155	6.440	.00000	35.15670	-.03866	-.04790	-.04785	-.02020	-.04616	-.02990
.155	8.408	.00000	35.15561	-.04811	-.05569	-.05560	-.02429	-.04956	-.03225
.155	10.494	.00000	35.15417	-.06070	-.06759	-.06682	-.04019	-.06377	-.04517
.155	12.488	.00000	35.17610	-.08429	-.09000	-.09000	-.05834	-.08045	-.06199
.155	14.588	.00000	35.19703	-.11571	-.12153	-.12246	-.09734	-.11562	-.09598
.155	16.538	.00000	35.24666	-.14619	-.15152	-.15165	-.12712	-.14384	-.12359
.155	18.558	.00000	35.33029	-.18032	-.18444	-.18521	-.16209	-.17735	-.15642
.155	20.595	.00000	35.47246	-.21160	-.21413	-.21633	-.19296	-.20607	-.18491
.156	22.548	.00000	35.64015	-.25101	-.25199	-.25466	-.23464	-.24629	-.22461
.157	24.604	.00000	35.89955	-.29085	-.29144	-.29416	-.27744	-.28783	-.26633
.157	26.982	.00000	36.25861	-.33302	-.33165	-.33406	-.33065	-.33896	-.31876
GRADIENT		.00000	-.00812	.00263	.00346	.00377	.00427	.00436	.00526

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF046) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 46/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.742	.00000	35.20608	-.04686	-.06293	-.06983	-.04150	-.06463	-.05959
.155	.350	.00000	35.16827	-.02408	-.03964	-.04203	-.01929	-.04212	-.03381
.155	2.330	.00000	35.15871	-.02881	-.04194	-.04436	-.01520	-.03935	-.02755
.155	4.429	.00000	35.15393	-.03197	-.04470	-.04437	-.01839	-.04183	-.02912
.155	6.426	.00000	35.15904	-.03944	-.05065	-.05056	-.02202	-.04461	-.03029
.155	8.516	.00000	35.16195	-.05243	-.06301	-.06179	-.03565	-.05667	-.04165
.155	10.542	.00000	35.17768	-.06618	-.07489	-.07415	-.04880	-.06993	-.05181
.155	12.536	.00000	35.18207	-.08625	-.09548	-.09319	-.06696	-.08476	-.06745
.155	14.600	.00000	35.20709	-.11332	-.12195	-.12049	-.09822	-.11404	-.09557
.155	16.595	.00000	35.25188	-.14577	-.15424	-.15317	-.12935	-.14320	-.12396
.155	18.584	.00000	35.35107	-.17473	-.18160	-.18086	-.16063	-.17325	-.15244
.156	20.547	.00000	35.49090	-.20837	-.21356	-.21468	-.19286	-.20382	-.18326
.156	22.562	.00000	35.66462	-.25006	-.25407	-.25563	-.23403	-.24399	-.22137
.157	24.554	.00000	35.93273	-.29520	-.29790	-.29920	-.28519	-.29392	-.27298
.157	26.965	.00000	36.29230	-.33767	-.33844	-.33938	-.33607	-.34344	-.32226
	GRADIENT	.00000	-.00733	.00198	.00249	.00343	.00334	.00325	.00438

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF047) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 47/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.753	.00000	35.20557	-.04608	-.06339	-.07099	-.04831	-.06926	-.06428
.155	.277	.00000	35.17276	-.03077	-.04788	-.05015	-.02519	-.04614	-.03811
.155	2.361	.00000	35.21922	-.03066	-.04618	-.04691	-.01762	-.03919	-.02900
.155	4.355	.00000	35.16209	-.02920	-.04423	-.04436	-.01884	-.03997	-.02833
.155	6.754	.00000	35.24543	-.03796	-.05252	-.04980	-.02710	-.04810	-.03390
.155	8.332	.00000	35.10284	-.04746	-.06109	-.05849	-.03234	-.05252	-.03669
.155	10.613	.00000	35.05286	-.06362	-.07592	-.07249	-.05250	-.07215	-.05473
.155	12.546	.00000	35.11335	-.08261	-.09411	-.09074	-.07102	-.08765	-.07048
.156	14.644	.00000	35.51464	-.10906	-.12072	-.11801	-.09622	-.11175	-.09221
.156	16.541	.00000	35.50806	-.13956	-.14958	-.14803	-.12576	-.13851	-.11906
.156	20.637	.00000	35.66391	-.21175	-.21921	-.21827	-.19897	-.20966	-.18903
.156	22.698	.00000	35.60999	-.25687	-.26334	-.26392	-.24097	-.25026	-.22811
.155	24.603	.00000	35.12522	-.29112	-.29562	-.29616	-.28652	-.29469	-.27328
.154	26.749	.00000	34.93000	-.32797	-.33032	-.33075	-.33017	-.33709	-.31701
	GRADIENT	.00000	-.00360	.00230	.00265	.00371	.00429	.00424	.00519

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF048) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 48/ J RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.703	.00000	35.22899	-.03922	-.05830	-.06344	-.03283	-.05377	-.04884
.155	.274	.00000	35.22514	-.03011	-.04824	-.05138	-.02511	-.04683	-.03900
.155	2.396	.00000	35.24297	-.02562	-.04225	-.04308	-.01691	-.03754	-.02749
.155	4.480	.00000	35.28280	-.02992	-.04606	-.04611	-.01844	-.03972	-.02747
.155	6.452	.00000	35.33088	-.03726	-.05257	-.05097	-.02583	-.04635	-.03243
.155	8.576	.00000	35.40639	-.04643	-.05992	-.05800	-.03451	-.05429	-.03804
.155	9.530	.00000	35.29401	-.05439	-.06772	-.06554	-.03948	-.05919	-.04322
.155	10.578	.00000	35.23659	-.06161	-.07495	-.07115	-.04934	-.06895	-.05118
.155	11.582	.00000	35.26261	-.07406	-.08630	-.08376	-.05744	-.07614	-.05809
.155	12.627	.00000	35.34971	-.08314	-.09539	-.09166	-.06922	-.08616	-.06910
.155	13.602	.00000	35.12624	-.09653	-.10897	-.10626	-.07985	-.09667	-.07767
.155	14.745	.00000	35.16069	-.11487	-.12672	-.12554	-.09839	-.11343	-.09396
.155	15.533	.00000	35.23852	-.12296	-.13417	-.13267	-.10764	-.12180	-.10166
.155	16.670	.00000	35.32267	-.14009	-.15115	-.14869	-.12769	-.14043	-.12107
.155	17.490	.00000	35.42769	-.15634	-.16680	-.16576	-.13740	-.15051	-.12950
.155	18.586	.00000	35.53566	-.17723	-.18688	-.18624	-.15964	-.17169	-.15035
.155	19.627	.00000	35.65689	-.19349	-.20248	-.20179	-.17922	-.19076	-.16969
.155	20.627	.00000	35.67188	-.21327	-.22162	-.22126	-.19956	-.20998	-.18899
.155	21.572	.00000	35.70032	-.23542	-.24268	-.24307	-.22137	-.23160	-.20913
.155	22.566	.00000	35.66216	-.25590	-.26222	-.26367	-.24390	-.25346	-.23142
.155	23.697	.00000	35.64056	-.27753	-.28303	-.28464	-.26636	-.27570	-.25333
.155	24.696	.00000	35.59403	-.29699	-.30252	-.30464	-.28347	-.29153	-.26958
.155	25.598	.00000	35.60806	-.31193	-.31581	-.31785	-.30789	-.31518	-.29414
.155	26.782	.00000	35.62460	-.33062	-.33408	-.33440	-.33637	-.34309	-.32397
	GRADIENT	.00000	.00872	.00155	.00205	.00290	.00248	.00248	.00365

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(CA-8) K3V9.1.2T95H15.6.1F30G5.3.5TS401

(PJF049) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.760

RUN NO. 49/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.868	.00000	35.18235	-.04264	-.05612	-.06028	-.03337	-.06575	-.05305
.155	.318	.00000	35.08949	-.03042	-.04345	-.04486	-.02213	-.05324	-.03858
.155	2.397	.00000	35.17303	-.03014	-.04032	-.04179	-.01542	-.04621	-.03044
.155	4.467	.00000	35.38527	-.03268	-.04108	-.04296	-.01446	-.04488	-.02709
.155	6.577	.00000	35.39016	-.04261	-.04903	-.05080	-.02461	-.05447	-.03619
.156	8.604	.00000	35.45403	-.05419	-.05868	-.06176	-.03150	-.06134	-.04072
.156	10.450	.00000	35.48895	-.06538	-.06860	-.07197	-.04586	-.07460	-.05263
.156	12.485	.00000	35.58514	-.08934	-.09054	-.09472	-.06453	-.09103	-.06952
.156	14.622	.00000	35.61528	-.11936	-.12009	-.12575	-.09609	-.12034	-.09784
.157	16.582	.00000	35.90847	-.14435	-.14364	-.15055	-.12270	-.14504	-.12245
.157	18.652	.00000	36.08509	-.18111	-.17883	-.18663	-.15945	-.17965	-.15644
.156	20.659	.01000	35.48423	-.22206	-.21794	-.22739	-.19811	-.21728	-.19299
.156	22.606	.01000	35.50811	-.26039	-.25508	-.26592	-.23589	-.25346	-.22961
.156	24.674	.01000	35.54359	-.29855	-.29167	-.30317	-.27854	-.29518	-.27073
.156	26.740	.01000	35.52165	-.33747	-.32765	-.33701	-.33409	-.34955	-.32808
	GRADIENT	.00000	.03242	.00145	.00231	.00263	.00302	.00332	.00409

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF050) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 10.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 50/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.741	.00000	35.25385	-.04477	-.06030	-.05999	-.03347	-.06383	-.05084
.155	.295	.00000	35.07168	-.03193	-.04877	-.04325	-.02376	-.05304	-.03813
.155	2.478	.00000	35.21365	-.03169	-.04230	-.04096	-.01423	-.04530	-.02806
.155	4.375	.00000	35.27494	-.03566	-.04493	-.04404	-.01823	-.04921	-.03044
.155	6.464	.00000	35.32031	-.04244	-.04986	-.04875	-.02178	-.05206	-.03251
.155	8.524	.00000	35.38396	-.05326	-.05861	-.05781	-.03411	-.06355	-.04250
.156	10.594	.00000	35.42291	-.06947	-.07353	-.07253	-.04532	-.07453	-.05163
.155	12.450	.00000	35.24868	-.08971	-.09298	-.09373	-.06406	-.09106	-.06937
.155	14.539	.00000	35.32339	-.11870	-.12057	-.12377	-.09373	-.11902	-.09472
.156	16.581	.01000	35.53896	-.14958	-.15056	-.15403	-.12135	-.14488	-.12012
.156	18.641	.01000	35.54409	-.18310	-.18277	-.18705	-.15737	-.17854	-.15349
.155	20.657	.01000	35.31376	-.22144	-.21817	-.22420	-.19874	-.21882	-.19422
.155	22.596	.01000	35.34456	-.26203	-.25703	-.26418	-.23868	-.25767	-.23190
.155	24.519	.01000	35.37148	-.29958	-.29293	-.30236	-.27887	-.29641	-.27125
.157	26.752	.01000	35.96502	-.33920	-.33073	-.33806	-.33338	-.34959	-.32600
	GRADIENT	.00000	.01000	.00136	.00259	.00246	.00273	.00254	.00350

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF051) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -10.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 51/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-1.796	.00000	34.90057	-.04052	-.05698	-.05693	-.03731	-.06519	-.05305
.155	.312	.00000	35.02049	-.03007	-.04543	-.04302	-.02361	-.05228	-.03826
.156	2.352	.00000	35.44116	-.03069	-.04167	-.04134	-.01643	-.04580	-.03016
.155	4.309	.00000	35.25457	-.03418	-.04405	-.04337	-.01644	-.04600	-.02858
.155	6.422	.00000	35.15756	-.04315	-.05087	-.05072	-.02360	-.05273	-.03398
.155	8.559	.00000	35.06445	-.05295	-.05818	-.05848	-.03627	-.06537	-.04489
.155	10.552	.00000	35.17780	-.06516	-.06916	-.06927	-.04811	-.07619	-.05392
.155	12.519	.01000	35.15360	-.09443	-.09671	-.09883	-.06452	-.09032	-.06813
.155	14.491	.01000	35.22766	-.11169	-.11339	-.11659	-.09337	-.11775	-.09512
.155	16.565	.01000	35.36576	-.14510	-.14592	-.14973	-.12297	-.14517	-.12178
.155	18.465	.01000	35.22687	-.17808	-.17772	-.18268	-.15537	-.17620	-.15218
.155	20.559	.01000	35.36307	-.21928	-.21666	-.22279	-.19589	-.21611	-.19131
.155	22.488	.01000	35.36310	-.25894	-.25388	-.26186	-.23645	-.25528	-.23000
.156	24.495	.01000	35.62381	-.30050	-.29361	-.30306	-.27551	-.29263	-.26690
.157	26.803	.01000	36.08379	-.34189	-.33400	-.34288	-.32859	-.34342	-.31952
GRADIENT		.00000	.07341	.00093	.00212	.00211	.00345	.00317	.00403

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF052) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 52/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.865	.00000	35.02065	-.04128	-.05465	-.05718	-.04006	-.07092	-.05728
.155	.297	.00000	35.13168	-.03323	-.04545	-.04565	-.02186	-.05371	-.03823
.155	2.363	.00000	35.16184	-.03337	-.04126	-.04266	-.01725	-.04948	-.03248
.155	4.374	.00000	35.24679	-.03638	-.04201	-.04516	-.01713	-.04933	-.03077
.155	6.445	.00000	35.28496	-.04420	-.04719	-.05089	-.01957	-.05243	-.03309
.155	8.542	.00000	35.20723	-.05450	-.05604	-.06030	-.03148	-.06322	-.04175
.155	10.457	.01000	35.25196	-.07071	-.07056	-.07466	-.04318	-.07531	-.05202
.155	12.266	.00000	35.05603	-.08589	-.08441	-.08895	-.05909	-.08897	-.06705
.155	14.519	.01000	35.04991	-.12035	-.11706	-.12440	-.09193	-.12048	-.09622
.155	16.549	.01000	35.21771	-.14693	-.14319	-.15085	-.12055	-.14604	-.12236
.155	18.517	.01000	35.39388	-.18190	-.17677	-.18555	-.15384	-.17978	-.15569
.156	20.458	.01000	35.61207	-.21845	-.21136	-.22255	-.18890	-.21163	-.18676
.156	22.594	.01000	35.55941	-.26123	-.25189	-.26321	-.23766	-.25978	-.23511
.156	24.517	.01000	35.54602	-.30371	-.29292	-.30703	-.27705	-.29741	-.27236
.156	26.809	.01000	35.56749	-.33980	-.32713	-.33998	-.32723	-.34722	-.32419
	GRADIENT	.00000	.03414	.00072	.00204	.00190	.00356	.00335	.00413

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF053) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORS = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 53/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.814	.00000	35.13100	-.04237	-.05830	-.05348	-.03688	-.06594	-.05281
.155	.231	.00000	35.14267	-.03157	-.04726	-.04129	-.02865	-.05818	-.04245
.155	2.391	.00000	35.14327	-.03347	-.04541	-.03956	-.01728	-.04843	-.03101
.155	4.401	.00000	35.17724	-.03581	-.04557	-.04039	-.01745	-.04814	-.02863
.155	6.492	.00000	35.22020	-.04615	-.05052	-.05034	-.02102	-.05223	-.03267
.155	8.482	.00000	35.15987	-.05519	-.05752	-.05714	-.03292	-.06255	-.04165
.155	10.523	.01000	35.24954	-.06843	-.06966	-.06896	-.04773	-.07671	-.05405
.155	12.663	.01000	35.26349	-.09196	-.09156	-.09210	-.06673	-.09271	-.07082
.155	14.528	.00000	35.40629	-.11993	-.11841	-.12070	-.09208	-.11841	-.09404
.155	16.563	.01000	35.13933	-.14865	-.14562	-.14950	-.12440	-.14802	-.12364
.155	18.571	.01000	35.34555	-.17978	-.17524	-.17898	-.15567	-.17774	-.15355
.156	20.553	.01000	35.51965	-.21945	-.21267	-.21825	-.19378	-.21459	-.18963
.156	22.571	.01000	35.50699	-.26361	-.25550	-.26178	-.23584	-.25559	-.23048
.156	24.545	.01000	35.58567	-.29995	-.28889	-.29796	-.27900	-.29693	-.27174
.156	26.752	.01000	35.73432	-.34003	-.32824	-.33632	-.32516	-.34177	-.31752
	GRADIENT	.00000	.09666	.00085	.00192	.00197	.00336	.00304	.00405

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(CA-8) K3V9.1.2TS5H15.6.1F3005.3.5TS401

(PJF054) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 54/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.734	.00000	35.05022	-.04916	-.05389	-.06761	-.03384	-.06348	-.05645	
.155	.265	.00000	35.09242	-.03973	-.04460	-.05401	-.02145	-.05006	-.04117	
.155	2.282	.01000	35.06386	-.03905	-.04143	-.04909	-.01192	-.04189	-.03107	
.155	4.388	.01000	35.22876	-.03750	-.03953	-.04589	-.01330	-.04203	-.02875	
.155	5.492	.00000	35.28279	-.04679	-.04834	-.05422	-.01990	-.04835	-.03371	
.155	6.380	.01000	35.23615	-.04606	-.04637	-.05198	-.01873	-.04680	-.03102	
.155	7.533	.01000	35.26540	-.04869	-.04815	-.05379	-.02323	-.05092	-.03482	
.155	8.482	.01000	35.36571	-.05884	-.05865	-.06331	-.03098	-.05852	-.04104	
.155	9.524	.01000	35.06679	-.06842	-.06692	-.07038	-.03810	-.06491	-.04554	
.155	10.502	.01000	35.06894	-.07552	-.07426	-.07758	-.04402	-.07079	-.05085	
.155	11.584	.01000	35.15535	-.08252	-.08045	-.08365	-.05568	-.08143	-.06217	
.155	12.519	.01000	35.07567	-.09469	-.09239	-.09566	-.06338	-.08776	-.06875	
.155	13.557	.01000	35.17053	-.10666	-.10446	-.10738	-.07722	-.10157	-.08032	
.155	14.517	.01000	35.21233	-.11818	-.11529	-.11947	-.09479	-.11811	-.09727	
.155	15.532	.01000	35.29940	-.13249	-.12820	-.13274	-.10854	-.12982	-.10882	
.155	16.604	.01000	35.23136	-.15182	-.14748	-.15257	-.12401	-.14437	-.12254	
.155	17.515	.01000	35.37007	-.16565	-.16096	-.16727	-.13519	-.15577	-.13212	
.155	18.504	.01000	35.26153	-.18552	-.18051	-.18535	-.15816	-.17672	-.15453	
.155	19.820	.01000	35.36490	-.21075	-.20365	-.21014	-.18298	-.20126	-.17815	
.155	21.702	.01000	35.38555	-.24619	-.23798	-.24468	-.21977	-.23659	-.21383	
.155	22.635	.01000	35.37342	-.26745	-.25861	-.26487	-.24296	-.25944	-.23616	
.155	23.622	.01000	35.36748	-.28627	-.27626	-.28496	-.25959	-.27527	-.25176	
.156	24.588	.01000	35.55086	-.30303	-.29224	-.30026	-.28090	-.29578	-.27285	
.157	25.455	.01000	36.00397	-.32107	-.31008	-.31744	-.30084	-.31516	-.29187	
.157	26.743	.01000	35.97048	-.33939	-.32753	-.33331	-.33197	-.34590	-.32465	
GRADIENT	.00196	.02508	.00174	.00226	.00343	.00347	.00354	.00455		

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF055) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 55/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.801	.00000	35.17132	-.04131	-.05820	-.05821	-.03816	-.06137	-.05095
.155	.208	.00000	35.11844	-.03009	-.04730	-.04412	-.02277	-.04568	-.03354
.155	2.297	.01000	35.11554	-.02868	-.04294	-.03923	-.01890	-.04235	-.02821
.155	4.405	.01000	35.21423	-.03303	-.04619	-.04111	-.01989	-.04383	-.02665
.155	6.340	.01000	35.23935	-.03977	-.05140	-.04579	-.02507	-.04773	-.02945
.155	8.436	.01000	35.21882	-.05402	-.06333	-.05788	-.03508	-.05748	-.03697
.155	10.462	.01000	35.02432	-.06928	-.07783	-.07185	-.04936	-.07144	-.04895
.155	12.581	.01000	35.01915	-.08897	-.09649	-.09085	-.07106	-.09110	-.06932
.155	14.534	.01000	35.24808	-.11398	-.12018	-.11571	-.09558	-.11428	-.09077
.155	16.509	.01000	35.36923	-.14532	-.15115	-.14764	-.12273	-.13801	-.11383
.156	18.526	.01000	35.65559	-.17767	-.18212	-.17857	-.15721	-.17124	-.14584
.155	20.551	.01000	35.44963	-.21579	-.21837	-.21586	-.19852	-.21204	-.18635
.155	22.521	.01000	35.50595	-.25964	-.26074	-.25979	-.23925	-.25140	-.22497
.156	24.510	.01000	35.52100	-.29837	-.29750	-.29837	-.27801	-.28900	-.26277
.157	26.730	.01000	35.06449	-.33430	-.33243	-.33167	-.33015	-.33940	-.31427
	GRADIENT	.00193	.00624	.00125	.00193	.00269	.00281	.00268	.00376

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(CA-8) K3V9.1.2TS5

F30G5.3.5TS401

(PJF056) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 SPDBRK = -11.700

RUN NO. 56/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.752	.00000	35.23136	-.04055	-.05943	-.05509	-.03758	-.06434	-.05212	
.155	.256	.00000	35.18901	-.03265	-.05242	-.04424	-.02789	-.05430	-.03997	
.155	2.349	.00000	35.14348	-.03244	-.04839	-.04020	-.01704	-.04541	-.02881	
.155	4.491	.00000	35.24478	-.03207	-.04704	-.03860	-.01804	-.04656	-.02765	
.155	5.527	.00000	35.28830	-.03988	-.05266	-.04510	-.02273	-.05057	-.03113	
.155	6.406	.00000	35.25387	-.03811	-.04999	-.04260	-.02550	-.05341	-.03366	
.155	7.493	.00000	35.04027	-.04721	-.05732	-.05051	-.02720	-.05518	-.03447	
.154	8.513	.00000	35.01762	-.05309	-.06267	-.05515	-.03386	-.06120	-.03991	
.155	9.459	.00000	35.05677	-.06078	-.06947	-.06308	-.03926	-.06609	-.04482	
.155	10.474	.00000	35.07669	-.06777	-.07539	-.06918	-.04606	-.07302	-.04982	
.155	11.435	.00000	35.13122	-.07651	-.08304	-.07735	-.05549	-.08203	-.05671	
.155	12.444	.00000	35.12302	-.09016	-.09613	-.09117	-.06620	-.09064	-.06858	
.155	13.345	.00000	35.22669	-.09715	-.10288	-.09761	-.07931	-.10417	-.08066	
.155	14.500	.00000	35.21342	-.11598	-.12100	-.11691	-.09456	-.11757	-.09430	
.155	15.542	.00000	35.26084	-.13122	-.13567	-.13266	-.10732	-.12905	-.10558	
.155	16.518	.00000	35.23855	-.14527	-.14950	-.14651	-.12511	-.14534	-.12150	
.155	17.494	.00000	35.30951	-.16185	-.16446	-.16240	-.14044	-.15928	-.13608	
.155	18.582	.00000	35.38348	-.17983	-.18231	-.17969	-.16000	-.17846	-.15440	
.156	19.600	.00000	35.52514	-.19807	-.19945	-.19758	-.17886	-.19678	-.17263	
.155	20.567	.00000	35.32848	-.22466	-.22488	-.22425	-.19952	-.21641	-.19118	
.155	21.623	.00000	35.38955	-.24218	-.24204	-.24111	-.22109	-.23825	-.21217	
.155	22.575	.00000	35.40364	-.26607	-.26496	-.26618	-.23798	-.25406	-.22779	
.155	23.567	.00000	35.38535	-.28480	-.28293	-.28466	-.25988	-.27543	-.24953	
.155	24.587	.00000	35.31307	-.30650	-.30347	-.30572	-.27936	-.29414	-.26718	
.157	25.613	.00000	35.98503	-.31923	-.31585	-.31678	-.30746	-.32085	-.29615	
.157	26.692	.00000	36.08571	-.33765	-.33309	-.33380	-.32769	-.34069	-.31607	
GRADIENT		.00000	-.00004	.00122	.00197	.00255	.00332	.00297	.00404	

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(CA-8) K3V9.1.2TS5

F30G5.3.5TS401

(PJF057) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 8.000 ELE/VON = -5.000
 SPDBRK = -11.700

RUN NO. 57/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.701	.00000	35.29772	-.03940	-.05700	-.05196	-.03881	-.06790	-.05445
.155	.341	.00000	35.16368	-.03180	-.04858	-.04072	-.02588	-.05535	-.04031
.155	2.338	.00000	35.13130	-.03411	-.04750	-.03952	-.01933	-.04991	-.03243
.155	4.404	.00000	35.21231	-.03735	-.04985	-.04111	-.01990	-.05032	-.03017
.155	5.423	.00000	35.21922	-.03829	-.04869	-.04087	-.01966	-.05007	-.02954
.155	6.606	.00000	35.29012	-.04537	-.05494	-.04780	-.02409	-.05519	-.03386
.155	7.435	.00000	35.30276	-.04379	-.05127	-.04509	-.02861	-.05979	-.03853
.155	8.510	.00000	35.38526	-.05639	-.06316	-.05781	-.03591	-.06532	-.04406
.155	9.387	.00000	35.43734	-.05944	-.06509	-.06002	-.03966	-.06935	-.04749
.155	10.412	.00000	35.38259	-.06977	-.07365	-.06944	-.04677	-.07693	-.05347
.155	11.577	.00000	35.24162	-.08329	-.08592	-.08204	-.06022	-.08915	-.06571
.155	12.290	.00000	35.21244	-.09097	-.09287	-.08961	-.06801	-.09572	-.07256
.155	13.518	.00000	35.25140	-.10644	-.10874	-.10596	-.08060	-.10956	-.08287
.155	14.608	.00000	35.30853	-.12141	-.12269	-.12183	-.09537	-.12162	-.09563
.155	15.559	.00000	35.23214	-.13626	-.13673	-.13610	-.10881	-.13302	-.10863
.155	16.550	.00000	35.30132	-.14895	-.14898	-.14817	-.12553	-.14884	-.12480
.155	17.600	.00000	35.40086	-.16607	-.16514	-.16459	-.14341	-.16584	-.14189
.155	18.681	.00000	35.24985	-.18738	-.18516	-.18604	-.16142	-.18280	-.15794
.155	19.581	.00000	35.35856	-.20498	-.20188	-.20256	-.18077	-.20176	-.17709
.155	20.557	.00000	35.40976	-.22220	-.21866	-.22027	-.19835	-.21905	-.19425
.155	21.605	.00000	35.38242	-.24715	-.24257	-.24563	-.21756	-.23723	-.21166
.155	22.610	.00000	35.36227	-.26816	-.26282	-.26674	-.23946	-.25815	-.23296
.156	23.610	.00000	35.62406	-.29063	-.28364	-.28914	-.26068	-.27858	-.25244
.156	24.595	.00000	35.59081	-.30681	-.29939	-.30436	-.28306	-.30027	-.27471
.156	25.575	.00000	35.65196	-.32444	-.31653	-.32135	-.30458	-.32203	-.29617
.157	26.609	.00000	36.07122	-.34630	-.33705	-.34270	-.32986	-.34574	-.32085
GRADIENT		.00000	-.01414	.00019	.00111	.00165	.00311	.00286	.00397

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF058) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.	58/ 0	RN/L =	.00	GRADIENT INTERVAL =	-5.00/	5.00			
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.806	.00000	35.21958	-.04598	-.06381	-.06006	-.03376	-.05981	-.04737
.155	.229	.00000	35.11352	-.02993	-.04754	-.04125	-.03166	-.05738	-.04279
.155	2.381	.00000	35.12763	-.03119	-.04453	-.03782	-.01912	-.04613	-.02914
.155	4.565	.00000	35.14439	-.03756	-.04976	-.04330	-.02022	-.04788	-.02881
.155	6.433	.00000	35.23277	-.04080	-.05027	-.04487	-.02622	-.05352	-.03282
.155	8.531	.00000	35.22587	-.05676	-.06423	-.05826	-.03825	-.06488	-.04244
.155	10.321	.00000	35.15920	-.06826	-.07402	-.06846	-.05020	-.07508	-.05269
.155	12.420	.00000	35.17206	-.09028	-.09506	-.09011	-.06881	-.09267	-.06951
.155	14.535	.00000	35.32522	-.11320	-.11646	-.11375	-.09508	-.11779	-.09354
.155	16.666	.00000	35.28912	-.15175	-.15405	-.15324	-.12558	-.14581	-.12056
.155	18.476	.00000	35.59415	-.17827	-.17885	-.17766	-.15933	-.17796	-.15297
.155	20.490	.00000	35.35978	-.22125	-.21967	-.22012	-.19933	-.21606	-.18938
.155	22.514	.00000	35.39271	-.26317	-.26005	-.26180	-.24169	-.25722	-.23074
.155	24.449	.00000	35.34633	-.30003	-.29657	-.29934	-.27840	-.29316	-.26652
.155	26.516	.00000	35.32706	-.33812	-.33158	-.33465	-.32947	-.34327	-.31779
GRADIENT	.00000		-.00972	.00109	.00209	.00248	.00250	.00221	.00326

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF059) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.	59/ C	RN/L =	.00	GRADIENT	INTERVAL =	-5.00/	5.00		
MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.703	.00000	35.35345	-.05188	-.06167	-.07190	-.04482	-.07062	-.06333
.155	.404	.00000	35.23844	-.03513	-.04455	-.04974	-.02146	-.04696	-.03695
.155	2.458	.00000	35.27754	-.03526	-.04264	-.04558	-.01868	-.04397	-.03122
.155	4.381	.00000	35.32075	-.03813	-.04484	-.04644	-.01816	-.04375	-.02900
.156	6.455	.00000	35.59560	-.04398	-.05021	-.05008	-.02363	-.04838	-.03136
.155	8.567	.00000	35.21986	-.05527	-.05876	-.05758	-.03600	-.06042	-.04213
.155	10.452	.00000	35.20547	-.07582	-.07984	-.07818	-.05282	-.07666	-.05513
.155	12.488	.00000	35.32614	-.08922	-.09273	-.09015	-.06703	-.08869	-.06813
.155	14.621	.00000	35.33699	-.12257	-.12462	-.12411	-.09957	-.11898	-.09702
.155	16.665	.00000	35.43691	-.14802	-.14993	-.14911	-.12833	-.14541	-.12317
.155	18.579	.00000	35.44226	-.18219	-.18291	-.18238	-.16062	-.17647	-.15446
.156	20.493	.00000	35.56394	-.22073	-.22011	-.22104	-.19713	-.21187	-.18746
.156	22.510	.00000	35.55683	-.26270	-.25990	-.26126	-.24248	-.25516	-.22961
.156	24.521	.00000	35.52563	-.30884	-.30496	-.30907	-.28048	-.29288	-.26660
.155	26.476	.00000	35.43957	-.33886	-.33344	-.33495	-.33039	-.34163	-.31780
	GRADIENT	.00000	-.00445	.00197	.00244	.00368	.00378	.00382	.00489

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 392

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF060) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.		60/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.717	.00000	35.36500	-.04967	-.06506	-.06587	-.05090	-.07929	-.06969	
.155	.306	.00000	35.18344	-.03682	-.05084	-.04797	-.02813	-.05609	-.04413	
.155	2.325	.00000	35.19965	-.03728	-.04691	-.04531	-.01970	-.05011	-.03480	
.154	4.383	.00000	35.15003	-.03969	-.04769	-.04461	-.02135	-.05197	-.03445	
.155	6.432	.00000	35.21731	-.04757	-.05304	-.05132	-.02715	-.05648	-.03916	
.155	8.440	.00000	35.21958	-.05975	-.06356	-.06314	-.03667	-.06513	-.04659	
.154	10.527	.00000	35.15492	-.07536	-.07770	-.07699	-.05112	-.07942	-.05818	
.155	12.508	.00000	35.17462	-.09476	-.09574	-.09568	-.07220	-.09707	-.07710	
.154	14.540	.00000	35.00046	-.12089	-.12142	-.12226	-.09852	-.12176	-.10106	
.155	16.561	.00000	35.51617	-.15177	-.15203	-.15313	-.12775	-.14774	-.12655	
.155	18.527	.00000	35.36395	-.18579	-.18494	-.18749	-.16034	-.17818	-.15604	
.155	20.581	.00000	35.48643	-.22603	-.22268	-.22668	-.19785	-.21473	-.19073	
.155	22.590	.00000	35.47602	-.26773	-.26349	-.26739	-.24197	-.25660	-.23339	
.156	24.553	.00000	35.96734	-.30478	-.29938	-.30443	-.28178	-.29453	-.27142	
.156	26.963	.00000	36.02354	-.35042	-.34269	-.34718	-.34168	-.35263	-.33105	
	GRADIENT	.00000	-.02834	.00141	.00252	.00300	.00434	.00397	.00512	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF061) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 61/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.736	.00000	35.24522	-.04800	-.06352	-.06550	-.04618	-.07295	-.06499
.154	.302	.00000	35.11926	-.03640	-.05143	-.04554	-.02277	-.04971	-.03863
.155	2.332	.00000	35.21925	-.03617	-.04801	-.04497	-.01808	-.04506	-.03212
.155	4.452	.00000	35.22411	-.03789	-.04914	-.04628	-.01965	-.04605	-.03189
.154	6.456	.00000	35.06066	-.04276	-.05223	-.04886	-.02581	-.05189	-.03555
.154	8.530	.00000	35.16342	-.05739	-.06507	-.06202	-.03270	-.05813	-.03992
.155	10.517	.00000	35.25288	-.07023	-.07720	-.07227	-.04977	-.07354	-.05389
.155	12.539	.00000	35.22221	-.09134	-.09787	-.09268	-.07026	-.09137	-.07254
.155	14.540	.00000	35.30583	-.11679	-.12225	-.11845	-.09720	-.11809	-.09749
.155	16.627	.00000	35.38786	-.14813	-.15382	-.14964	-.12766	-.14439	-.12365
.155	18.589	.00000	35.46671	-.18129	-.18551	-.18187	-.16456	-.17972	-.15785
.155	20.649	.00000	35.46001	-.22009	-.22311	-.22049	-.19964	-.21360	-.19102
.155	22.641	.00000	35.58249	-.26126	-.26267	-.26062	-.24121	-.25353	-.23053
.156	24.545	.00000	35.77965	-.30415	-.30447	-.30356	-.28680	-.29758	-.27451
.157	26.923	.00000	36.29111	-.34788	-.34673	-.34572	-.33902	-.34820	-.32559
	GRADIENT	.00000	-.00016	.00141	.00207	.00276	.00377	.00381	.00468

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(PJF062) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 62/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.628	.00000	35.32666	-.05174	-.06585	-.06795	-.04263	-.07023	-.06165
.154	.271	.00000	35.15354	-.03550	-.05091	-.04941	-.02728	-.05476	-.04322
.155	2.293	.00000	35.18346	-.03525	-.04717	-.04487	-.01904	-.04651	-.03278
.155	4.361	.00000	35.30720	-.03414	-.04510	-.04214	-.01615	-.04292	-.02815
.155	6.413	.00000	35.37812	-.04192	-.05134	-.04820	-.02689	-.05311	-.03667
.154	8.457	.00000	35.16227	-.05322	-.06118	-.05791	-.03292	-.05852	-.04008
.154	10.454	.00000	35.14297	-.06538	-.07246	-.06833	-.04455	-.06854	-.04903
.155	12.509	.00000	35.29735	-.08914	-.09578	-.09151	-.06686	-.08938	-.06920
.155	14.491	.00000	35.36512	-.11380	-.12016	-.11622	-.09199	-.11264	-.09103
.155	16.563	.00000	35.33610	-.14404	-.15131	-.14678	-.12514	-.14184	-.12149
.155	18.593	.00000	35.55882	-.17954	-.18426	-.18150	-.15929	-.17425	-.15227
.155	20.548	.00000	35.43800	-.21602	-.21958	-.21723	-.19610	-.21035	-.18812
.155	22.531	.00000	35.52162	-.26187	-.26400	-.26197	-.24023	-.25288	-.22953
.156	24.523	.00000	35.65673	-.29921	-.29988	-.29949	-.28393	-.29426	-.27144
.157	27.004	.00000	36.37420	-.34798	-.34757	-.34645	-.34202	-.35033	-.32874
GRADIENT		.00000	-.00373	.00244	.00296	.00368	.00388	.00399	.00490

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF063) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 63/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.676	.00000	35.22787	-.05021	-.06541	-.06770	-.04307	-.07068	-.06135
.154	.313	.00000	35.11672	-.03513	-.05030	-.04831	-.02484	-.05227	-.04012
.154	2.338	.00000	35.14922	-.03094	-.04289	-.04105	-.01523	-.04308	-.02928
.155	4.376	.00000	35.37841	-.03393	-.04474	-.04227	-.01403	-.04105	-.02561
.155	6.403	.00000	35.32498	-.04126	-.05031	-.04759	-.02268	-.04928	-.03251
.155	8.471	.00000	35.24070	-.05705	-.06465	-.06125	-.03232	-.05822	-.03961
.155	10.443	.00000	35.32180	-.06698	-.07380	-.07009	-.04734	-.07199	-.05263
.155	12.482	.00000	35.30419	-.09085	-.09735	-.09368	-.06526	-.08782	-.06739
.155	14.498	.00000	35.26893	-.11393	-.11895	-.11718	-.09073	-.11151	-.08994
.155	16.514	.00000	35.32907	-.14266	-.14791	-.14503	-.12131	-.13917	-.11817
.155	18.581	.00000	35.46196	-.17775	-.18139	-.17911	-.16135	-.17727	-.15547
.156	20.498	.00000	35.66695	-.21479	-.21733	-.21624	-.19305	-.20778	-.18470
.155	22.566	.00000	35.48220	-.25725	-.25816	-.25819	-.23531	-.24833	-.22451
.155	24.527	.00000	35.51876	-.29607	-.29555	-.29569	-.28021	-.29160	-.26861
.155	26.978	.00000	35.59266	-.33956	-.33776	-.33821	-.33418	-.34331	-.32202
	GRADIENT	.00000	.01779	.00243	.00311	.00375	.00428	.00434	.00520

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F3005.3.5TS402

(PJF064) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -10.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 64/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.683	.00000	35.27578	-.04733	-.06369	-.06443	-.04138	-.06834	-.05885
.154	.317	.00000	35.20136	-.03484	-.05035	-.04794	-.01858	-.04679	-.03315
.155	2.345	.00000	35.26988	-.03165	-.04381	-.04166	-.01576	-.04252	-.02841
.155	4.376	.00000	35.23844	-.03607	-.04752	-.04467	-.01488	-.04148	-.02500
.155	6.437	.00000	35.26218	-.04124	-.05135	-.04838	-.02187	-.04754	-.03092
.154	8.426	.00000	35.11101	-.05076	-.05946	-.05630	-.03119	-.05568	-.03762
.154	10.474	.00000	35.04347	-.06522	-.07318	-.06863	-.04522	-.06876	-.04845
.155	12.469	.00000	35.31864	-.08446	-.09137	-.08739	-.06386	-.08393	-.06417
.155	14.567	.00000	35.32917	-.11022	-.11758	-.11350	-.09032	-.11015	-.08923
.155	16.533	.00000	35.31849	-.13909	-.14638	-.14231	-.11933	-.13591	-.11422
.155	18.538	.00000	35.34981	-.17600	-.18136	-.17863	-.15542	-.17041	-.14785
.155	20.623	.00000	35.50153	-.21745	-.22118	-.21936	-.19411	-.20727	-.18182
.155	22.577	.00000	35.61361	-.25703	-.25986	-.25829	-.24019	-.25197	-.22826
.156	24.508	.00000	35.71603	-.29370	-.29528	-.29517	-.27495	-.28538	-.26097
.156	26.947	.00000	35.65049	-.33885	-.33925	-.33751	-.33432	-.34329	-.32019
	GRADIENT	.00000	-.00267	.00173	.00249	.00295	.00374	.00383	.00477

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF065) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 10.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 65/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.742	.00000	35.38541	-.04589	-.06024	-.06367	-.04251	-.07194	-.06164
.155	.293	.00000	35.28732	-.03297	-.04721	-.04758	-.02231	-.05213	-.03909
.155	2.408	.00000	35.38755	-.03510	-.04564	-.04496	-.01448	-.04411	-.02911
.155	4.373	.00000	35.23354	-.03631	-.04593	-.04627	-.01330	-.04265	-.02562
.155	6.439	.00000	35.29763	-.03971	-.04786	-.04764	-.01979	-.04833	-.03058
.155	8.516	.00000	35.29089	-.05447	-.06089	-.06061	-.03180	-.05936	-.04018
.154	10.464	.00000	35.14613	-.06899	-.07429	-.07345	-.04320	-.06962	-.04910
.155	12.529	.00000	35.22882	-.08975	-.09374	-.09362	-.06435	-.08734	-.06784
.155	14.593	.00000	35.31655	-.11472	-.11901	-.11967	-.09219	-.11390	-.09232
.155	16.539	.00000	35.38652	-.14548	-.14948	-.15067	-.11930	-.13848	-.11712
.155	18.567	.00000	35.44542	-.18249	-.18561	-.18689	-.15834	-.17568	-.15282
.155	20.559	.00000	35.54109	-.21378	-.21460	-.21690	-.19346	-.20903	-.18634
.156	22.594	.00000	35.71345	-.25810	-.25731	-.26046	-.23681	-.25065	-.22708
.156	24.555	.00000	36.01819	-.29990	-.29804	-.30225	-.28001	-.29245	-.26852
.157	26.904	.00000	36.20545	-.33494	-.33198	-.33375	-.33233	-.34331	-.32180
GRADIENT		.00000	-.01506	.00128	.00202	.00249	.00421	.00422	.00517

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF066) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 66/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.759	.00000	35.30913	-.04926	-.06383	-.06822	-.04651	-.07142	-.06387
.155	.316	.00000	35.36033	-.03511	-.04775	-.04924	-.02288	-.04839	-.03692
.154	2.389	.00000	35.18446	-.03288	-.04305	-.04332	-.01450	-.03940	-.02691
.155	4.351	.00000	35.25806	-.03637	-.04657	-.04592	-.01984	-.04377	-.02959
.155	6.465	.00000	35.36071	-.04248	-.05047	-.04954	-.02467	-.04823	-.03256
.154	8.497	.00000	35.14126	-.05009	-.05643	-.05563	-.03366	-.05601	-.03892
.155	10.506	.00000	35.23456	-.06923	-.07543	-.07402	-.04665	-.06334	-.04899
.155	12.411	.00000	35.28784	-.08522	-.09058	-.08893	-.06714	-.08556	-.06765
.155	14.547	.00000	35.42872	-.11931	-.12402	-.12393	-.09811	-.11519	-.09421
.155	16.567	.00000	35.55420	-.14741	-.15208	-.15189	-.12961	-.14383	-.12301
.155	18.571	.00000	35.48112	-.18029	-.18314	-.18317	-.15951	-.17167	-.15026
.155	20.555	.00000	35.58403	-.21477	-.21546	-.21709	-.19568	-.20686	-.18503
.156	22.561	.00000	35.87294	-.26309	-.26305	-.26565	-.24255	-.25231	-.22947
.156	24.557	.00000	35.95127	-.29620	-.29595	-.29791	-.28593	-.29467	-.27207
.157	26.894	.00000	36.35356	-.33467	-.33165	-.33228	-.33855	-.34465	-.32460
	GRADIENT	.00000	-.01334	.00191	.00258	.00330	.00402	.00416	.00507

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF067) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 67/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.708	.00000	35.31189	-.04714	-.06575	-.06575	-.04040	-.06857	-.05903	
.155	-1.751	.00000	35.25363	-.04131	-.05711	-.05930	-.03121	-.05905	-.04896	
.155	.323	.00000	35.27664	-.03148	-.04723	-.04729	-.02233	-.05014	-.03762	
.154	2.345	.00000	35.20412	-.03201	-.04439	-.04361	-.01267	-.04076	-.02603	
.155	4.414	.00000	35.28482	-.03195	-.04287	-.04195	-.01393	-.04111	-.02559	
.155	5.417	.00000	35.31328	-.03664	-.04714	-.04514	-.01592	-.04330	-.02636	
.154	6.409	.00000	35.18739	-.03776	-.04693	-.04518	-.01608	-.04287	-.02667	
.154	7.384	.00000	35.15246	-.04386	-.05204	-.05181	-.02249	-.04880	-.03116	
.155	8.468	.00000	35.23439	-.04873	-.05713	-.05516	-.02804	-.05368	-.03485	
.155	9.425	.00000	35.25495	-.05624	-.06417	-.06238	-.03412	-.05850	-.03998	
.155	10.434	.00000	35.23362	-.06484	-.07176	-.07007	-.04255	-.06633	-.04618	
.155	11.467	.00000	35.21688	-.07500	-.08119	-.07970	-.05099	-.07417	-.05394	
.155	12.527	.00000	35.26575	-.08865	-.09590	-.09387	-.06243	-.08369	-.06324	
.154	13.503	.00000	35.19977	-.10154	-.10825	-.10737	-.07328	-.09553	-.07368	
.155	14.511	.00000	35.29533	-.11188	-.11612	-.11632	-.08749	-.10742	-.08558	
.154	15.521	.00000	35.20301	-.12331	-.12885	-.12763	-.10325	-.12086	-.10082	
.155	16.564	.00000	35.38559	-.14541	-.15175	-.15195	-.11974	-.13648	-.11471	
.155	17.589	.00000	35.44874	-.16086	-.16624	-.16558	-.13821	-.15425	-.13168	
.155	18.581	.00000	35.55809	-.17977	-.18494	-.18528	-.15458	-.16959	-.14631	
.155	19.589	.00000	35.50337	-.19249	-.19551	-.19556	-.17404	-.18864	-.16591	
.155	20.564	.00000	35.52825	-.21417	-.21648	-.21728	-.19352	-.20711	-.18439	
.155	21.581	.00000	35.51005	-.23499	-.23661	-.23819	-.21304	-.22592	-.20200	
.155	22.545	.00000	35.50795	-.25315	-.25550	-.25725	-.23045	-.24288	-.21891	
.156	23.586	.00000	35.71619	-.27395	-.27583	-.27723	-.25475	-.26633	-.24248	
.156	24.552	.00000	35.97844	-.29331	-.29344	-.29539	-.27810	-.28884	-.26537	
.156	25.587	.00000	36.02958	-.31561	-.31499	-.31775	-.30173	-.31139	-.28723	
.157	26.923	.00000	36.12825	-.32752	-.32668	-.32510	-.33107	-.34142	-.31936	
	GRADIENT	.00000	-.00474	.00206	.00277	.00336	.00378	.00387	.00478	

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF068) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.300 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 68/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.706	.00000	35.30227	-.04581	-.05929	-.06870	-.04065	-.06358	-.05811
.155	-1.775	.00000	35.35006	-.03880	-.05279	-.05943	-.03105	-.05425	-.04760
.155	.323	.00000	35.30621	-.03013	-.04489	-.04786	-.02636	-.04917	-.04016
.155	2.345	.00000	35.28980	-.03093	-.04309	-.04441	-.01686	-.04025	-.02926
.155	4.335	.00000	35.22988	-.03435	-.04593	-.04589	-.01285	-.03617	-.02289
.154	6.388	.00000	35.12802	-.03923	-.04979	-.04794	-.02070	-.04342	-.02812
.155	8.483	.00000	35.23326	-.04732	-.05690	-.05100	-.03280	-.05437	-.03774
.155	10.534	.00000	35.23031	-.06697	-.07565	-.07217	-.04731	-.06858	-.04908
.155	12.567	.00000	35.23715	-.08471	-.09256	-.08962	-.06590	-.08446	-.06556
.155	14.530	.00000	35.37945	-.11274	-.12034	-.11864	-.09308	-.11083	-.08998
.155	16.568	.00000	35.52490	-.13911	-.14654	-.14335	-.12409	-.13912	-.11823
.156	18.571	.00000	35.71960	-.17838	-.18378	-.18342	-.15486	-.16794	-.14466
.155	20.528	.00000	35.55310	-.21286	-.21744	-.21712	-.18773	-.20031	-.17652
.155	22.574	.00000	35.61625	-.25630	-.25940	-.25988	-.23526	-.24723	-.22213
.155	24.533	.00000	35.93961	-.29562	-.29691	-.29807	-.28063	-.29082	-.26688
.156	26.947	.00000	35.93105	-.33219	-.33264	-.33195	-.33528	-.34350	-.32132
	GRADIENT	.00000	-.01220	.00156	.00189	.00319	.00374	.00369	.00479

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 401

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF069) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 69/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.716	.00000	35.41167	-.04844	-.06290	-.07639	-.03749	-.06052	-.05444
.155	-1.722	.00000	35.34957	-.04154	-.05644	-.06212	-.03150	-.05395	-.04760
.155	.313	.00000	35.25440	-.02961	-.04453	-.04662	-.02236	-.04447	-.03498
.154	2.338	.00000	35.17154	-.03038	-.04376	-.04396	-.01565	-.03841	-.02676
.155	4.403	.00000	35.28885	-.02992	-.04285	-.04147	-.01346	-.03663	-.02278
.155	6.424	.00000	35.38922	-.03408	-.04586	-.04357	-.01921	-.04203	-.02654
.154	8.470	.00000	35.18064	-.04722	-.05793	-.05509	-.03289	-.05370	-.03607
.154	10.488	.00000	35.18737	-.05924	-.06914	-.06499	-.04401	-.06504	-.04569
.155	12.426	.00000	35.22392	-.08246	-.09215	-.08819	-.06095	-.07971	-.06058
.155	14.539	.00000	35.33363	-.11161	-.11962	-.11719	-.08918	-.10699	-.08534
.155	16.605	.00000	35.28571	-.14179	-.14974	-.14692	-.12220	-.13712	-.11534
.155	18.550	.00000	35.50615	-.17425	-.18048	-.17759	-.15823	-.17177	-.15008
.155	20.553	.00000	35.56829	-.21339	-.21893	-.21726	-.19597	-.20779	-.18491
.155	22.601	.00000	35.62028	-.25347	-.25735	-.25596	-.23772	-.24881	-.22550
.156	24.636	.00000	35.97100	-.29467	-.29711	-.29675	-.28040	-.29012	-.26672
.157	26.928	.00000	36.25806	-.33410	-.33609	-.33399	-.33549	-.34361	-.32173
	GRADIENT	.00000	-.02181	.00251	.00278	.00403	.00343	.00338	.00453

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS

(PJF070) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO.	70/ 0	RN/L =	.00	GRADIENT INTERVAL =	-5.00/	5.00				
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.781	.00000	35.55025	-.04409	-.06030	-.05943	-.03362	-.06162	-.04967	
.155	.345	.00000	35.40745	-.02937	-.04402	-.04201	-.02236	-.05031	-.03664	
.155	2.344	.00000	35.23217	-.03183	-.04296	-.04070	-.01580	-.04473	-.02938	
.155	4.359	.00000	35.28173	-.03486	-.04447	-.04249	-.01596	-.04489	-.02770	
.155	5.405	.00000	35.29871	-.03830	-.04626	-.04432	-.01820	-.04656	-.02839	
.154	6.465	.00000	35.12355	-.04460	-.05141	-.05062	-.02321	-.05171	-.03345	
.155	7.268	.00000	35.25493	-.04698	-.05342	-.05249	-.02755	-.05487	-.03584	
.154	8.518	.00000	34.93398	-.05509	-.06034	-.05990	-.03014	-.05725	-.03834	
.155	9.467	.00000	35.22571	-.05840	-.06287	-.06298	-.03463	-.06103	-.04134	
.154	10.431	.00000	34.93589	-.06991	-.07394	-.07369	-.04454	-.07071	-.04993	
.154	11.487	.00000	35.10670	-.08144	-.08449	-.08455	-.05192	-.07714	-.05598	
.155	12.549	.00000	35.29028	-.09024	-.09285	-.09349	-.06395	-.08725	-.06718	
.155	13.602	.00000	35.25873	-.10500	-.10711	-.10802	-.07899	-.10245	-.08067	
.155	14.599	.00000	35.27347	-.11697	-.11872	-.12056	-.09097	-.11281	-.09141	
.155	15.640	.00000	35.31666	-.13259	-.13429	-.13553	-.11006	-.12983	-.10854	
.155	16.005	.00000	35.28206	-.14966	-.15112	-.15311	-.12403	-.14207	-.12003	
.155	17.574	.00000	35.45871	-.16527	-.16596	-.16799	-.13974	-.15796	-.13568	
.155	18.558	.00000	35.60195	-.17995	-.17949	-.18198	-.15952	-.17647	-.15580	
.156	19.565	.00000	35.67616	-.19836	-.19785	-.20122	-.17239	-.18898	-.16528	
.156	20.613	.00000	35.69901	-.22465	-.22166	-.22651	-.19469	-.21065	-.18623	
.156	21.626	.00000	35.78263	-.24055	-.23825	-.24310	-.21433	-.22930	-.20542	
.156	22.591	.00000	35.64651	-.26246	-.25895	-.26478	-.23527	-.25045	-.22557	
.156	23.643	.00000	35.68038	-.28221	-.27840	-.28385	-.25908	-.27255	-.24835	
.155	24.561	.00000	35.62948	-.30456	-.29947	-.30593	-.28089	-.29397	-.26940	
.156	25.647	.00000	36.00308	-.31983	-.31415	-.32042	-.30179	-.31338	-.28911	
.157	26.638	.00000	36.10362	-.33634	-.33025	-.33477	-.32531	-.33751	-.31401	
GRADIENT		.00000	-.04819	.00126	.00241	.00258	.00293	.00275	.00360	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 403

(CA-8) K3V9.1.2TS5H15.6.1F30

TS402

(PJF071) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO.	71/ 0	RN/L =	.00	GRADIENT INTERVAL =	-5.00/	5.00				
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.644	.00000	35.23393	-.04966	-.06812	-.07333	-.04636	-.06418	-.06001	
.154	.385	.00000	35.15577	-.02991	-.04860	-.04933	-.02908	-.04717	-.03844	
.155	2.351	.00000	35.37491	-.03143	-.04816	-.04598	-.02149	-.03975	-.02974	
.155	4.473	.00000	35.34522	-.03020	-.04617	-.04248	-.02266	-.03987	-.02696	
.155	5.403	.00000	35.37149	-.03182	-.04726	-.04252	-.02465	-.04160	-.02819	
.154	6.461	.00000	35.18243	-.03462	-.04969	-.04454	-.02880	-.04597	-.03098	
.155	7.381	.00000	35.27957	-.03957	-.05451	-.04838	-.03136	-.04797	-.03200	
.155	8.465	.00000	35.29531	-.04521	-.05928	-.05334	-.03382	-.05018	-.03292	
.155	9.537	.00000	35.22123	-.05369	-.06699	-.05989	-.04235	-.05949	-.04096	
.155	10.413	.00000	35.39613	-.06114	-.07453	-.06711	-.04946	-.06553	-.04606	
.155	11.542	.00000	35.28347	-.07323	-.08534	-.07792	-.06148	-.07702	-.05689	
.154	12.502	.00000	35.17616	-.08319	-.09551	-.08778	-.07198	-.08524	-.06637	
.155	13.566	.00000	35.27129	-.09594	-.10799	-.10065	-.07987	-.09439	-.07283	
.155	14.530	.00000	35.28866	-.11135	-.12322	-.11580	-.09816	-.11075	-.08856	
.155	15.491	.00000	35.39615	-.12355	-.13508	-.12774	-.11178	-.12192	-.10036	
.155	16.590	.00000	35.36514	-.13781	-.14867	-.14142	-.12842	-.13841	-.11649	
.155	17.564	.00000	35.41058	-.15578	-.16599	-.15908	-.14426	-.15305	-.13049	
.155	18.579	.00000	35.53087	-.17016	-.17944	-.17202	-.16260	-.17057	-.14835	
.156	19.580	.00000	35.67078	-.18837	-.19698	-.19064	-.17959	-.18673	-.16384	
.155	20.512	.00000	35.24675	-.20834	-.21587	-.21019	-.19553	-.20182	-.17724	
.155	21.556	.00000	35.26076	-.23250	-.23958	-.23531	-.21861	-.22520	-.20051	
.156	22.543	.00000	35.65916	-.24971	-.25637	-.25147	-.23586	-.24220	-.21677	
.156	23.569	.00000	35.77543	-.27134	-.27760	-.27273	-.26188	-.26725	-.24146	
.156	24.487	.00000	35.69510	-.29106	-.29684	-.29231	-.28277	-.28770	-.26220	
.157	25.575	.00000	36.12959	-.30978	-.31407	-.30931	-.30878	-.31216	-.28796	
.157	26.973	.00000	36.08230	-.33153	-.33540	-.32932	-.33341	-.34119	-.31762	
GRADIENT		.00000	.02186	.00262	.00300	.00429	.00354	.00356	.00475	

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 404

(CA-8) K3V9.1.2TS5

F30G5.3.5TS402

(PJF072) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 10RB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 72/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.855	.00000	35.60479	-.04753	-.06584	-.06354	-.04139	-.07167	-.05966
.155	.343	.00000	35.20251	-.03067	-.04874	-.04229	-.02425	-.05521	-.03917
.155	2.275	.00000	35.35532	-.02745	-.04206	-.03553	-.01180	-.04416	-.02617
.154	4.406	.00000	35.00703	-.03245	-.04544	-.03992	-.01677	-.04919	-.02922
.154	5.382	.00000	34.91465	-.03354	-.04447	-.03989	-.01667	-.04942	-.02874
.154	6.451	.00000	35.07342	-.03841	-.04807	-.04379	-.01988	-.05187	-.03043
.154	7.403	.00000	35.09636	-.04202	-.05101	-.04733	-.02280	-.05485	-.03246
.154	8.427	.00000	35.10671	-.05163	-.05948	-.05639	-.03030	-.06204	-.03966
.154	9.518	.00000	35.08996	-.05725	-.06411	-.06154	-.03052	-.06966	-.04722
.154	10.450	.00000	35.14087	-.06703	-.07339	-.07036	-.04548	-.07582	-.05185
.155	11.606	.00000	35.23086	-.08135	-.08640	-.08438	-.05752	-.08702	-.06299
.155	12.578	.00000	35.27696	-.08894	-.09357	-.09221	-.06421	-.09214	-.06900
.155	13.590	.00000	35.29435	-.10514	-.10881	-.10891	-.07617	-.10418	-.07888
.155	14.485	.00000	35.33706	-.11192	-.11413	-.11517	-.09142	-.11820	-.09422
.155	15.596	.00000	35.50397	-.12695	-.12916	-.13101	-.10100	-.12565	-.10147
.155	16.609	.00000	35.42174	-.14473	-.14658	-.14856	-.11643	-.14002	-.11522
.155	17.475	.00000	35.36517	-.16216	-.16371	-.16537	-.13611	-.15917	-.13525
.155	18.551	.00000	35.37760	-.18205	-.18212	-.18534	-.15258	-.17442	-.14921
.155	19.492	.00000	35.48260	-.19830	-.19722	-.20051	-.17258	-.19419	-.16857
.155	20.591	.00000	35.52947	-.21805	-.21603	-.22034	-.19531	-.21538	-.18982
.155	21.563	.00000	35.59578	-.23533	-.23259	-.23661	-.21313	-.23353	-.20826
.156	22.644	.00000	35.62816	-.26305	-.25955	-.26576	-.23675	-.25622	-.22963
.156	23.608	.00000	35.65670	-.28224	-.27791	-.28504	-.25500	-.27358	-.24759
.155	24.444	.00000	35.57590	-.29481	-.28929	-.29675	-.27437	-.29235	-.26624
.156	25.570	.00000	35.80703	-.31945	-.31325	-.32052	-.30266	-.31938	-.29437
.157	26.907	.00000	36.15096	-.33897	-.33269	-.33809	-.33259	-.34856	-.32541
	GRADIENT	.00000	-.07144	.00223	.00302	.00348	.00376	.00344	.00454

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 405

(CA-8) K3V9.1.2TS5

F3065.3.5TS402

(PJF073) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 73/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.857	.00000	35.42910	-.04913	-.06741	-.06374	-.04557	-.07138	-.06095
.154	.279	.00000	35.04320	-.02895	-.04791	-.03956	-.02426	-.05030	-.03635
.154	2.400	.00000	34.99636	-.03056	-.04593	-.03651	-.01634	-.04408	-.02734
.154	4.391	.00000	35.06054	-.03234	-.04695	-.03705	-.01830	-.04561	-.02675
.154	5.435	.00000	35.02893	-.03473	-.04725	-.03865	-.01949	-.04745	-.02756
.154	6.455	.00000	35.11326	-.04035	-.05281	-.04373	-.02323	-.05126	-.03119
.155	7.600	.00000	35.43010	-.04445	-.05533	-.04682	-.02952	-.05732	-.03607
.155	8.527	.00000	35.47169	-.05338	-.06274	-.05520	-.03509	-.06284	-.04108
.155	9.539	.00000	35.38246	-.05905	-.06751	-.06044	-.03932	-.06579	-.04437
.154	10.517	.00000	35.18519	-.06814	-.07533	-.06832	-.04743	-.07455	-.05101
.155	11.555	.00000	35.30775	-.07742	-.08481	-.07817	-.05871	-.08451	-.06145
.155	12.335	.00000	35.31157	-.08682	-.09256	-.08703	-.06413	-.08891	-.06613
.155	13.515	.00000	35.36298	-.09712	-.10334	-.09791	-.07576	-.10036	-.07639
.155	14.441	.00000	35.30606	-.11459	-.11973	-.11474	-.09607	-.11878	-.09531
.155	15.498	.00000	35.26128	-.13019	-.13478	-.13099	-.10690	-.12874	-.10495
.155	16.567	.00000	35.41286	-.14475	-.14869	-.14515	-.12709	-.14736	-.12419
.155	17.557	.00000	35.46706	-.16491	-.16775	-.16458	-.14287	-.16238	-.13806
.155	18.592	.00000	35.62054	-.17993	-.18257	-.17929	-.15765	-.17654	-.15154
.156	19.632	.00000	35.67875	-.20183	-.20215	-.20093	-.17845	-.19683	-.17144
.155	20.585	.00000	35.29259	-.22157	-.22129	-.22087	-.19640	-.21365	-.18770
.155	21.510	.00000	35.33747	-.24337	-.24200	-.24233	-.21652	-.23370	-.20827
.156	22.644	.00000	35.72535	-.26080	-.25949	-.25969	-.23898	-.25498	-.23016
.156	23.588	.00000	35.86332	-.28227	-.28026	-.28116	-.25876	-.27424	-.24817
.156	24.565	.00000	35.85080	-.30056	-.29729	-.29922	-.28057	-.29522	-.27021
.156	25.672	.00000	35.80402	-.32039	-.31579	-.31767	-.30564	-.31934	-.29493
.156	26.943	.00000	35.75159	-.34054	-.33623	-.33723	-.33444	-.34801	-.32422
	GRADIENT	.00000	-.05250	.00227	.00285	.00311	.00395	.00369	.00487

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 406

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF074) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 EDFLAP = .000

RUN NO. 74/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PST)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.728	.00000	35.34213	-.04146	-.05989	-.05783	-.04305	-.06727	-.05689
.155	.305	.00000	35.22332	-.03136	-.04962	-.04296	-.02286	-.04791	-.03399
.155	2.306	.00000	35.20768	-.03334	-.04781	-.04066	-.01788	-.04392	-.02735
.155	4.413	.00000	35.33316	-.03342	-.04756	-.03987	-.01996	-.04650	-.02743
.155	6.486	.00000	35.34467	-.04195	-.05209	-.04633	-.02175	-.04817	-.02735
.154	8.500	.00000	35.19299	-.05153	-.06020	-.05391	-.03606	-.06264	-.04075
.155	10.320	.00000	35.29224	-.06961	-.07618	-.07126	-.04606	-.07253	-.04822
.155	12.605	.00000	35.20269	-.09422	-.09977	-.09513	-.07122	-.09498	-.07109
.155	14.439	.00000	35.28111	-.11325	-.11755	-.11460	-.09480	-.11764	-.09280
.155	16.602	.00000	35.29839	-.14959	-.15242	-.15112	-.13121	-.15125	-.12661
.155	18.408	.00000	35.40971	-.18181	-.18331	-.18317	-.15919	-.17809	-.15211
.155	20.556	.00000	35.61682	-.22073	-.21997	-.22101	-.19926	-.21666	-.19021
.155	22.573	.00000	35.47496	-.26305	-.26032	-.26241	-.23973	-.25661	-.22990
.155	24.663	.00000	35.60261	-.30236	-.29837	-.30227	-.28340	-.29879	-.27184
.157	27.007	.00000	36.15508	-.34366	-.33781	-.34010	-.33946	-.35388	-.32895
	GRADIENT	.00000	-.00376	.00105	.00174	.00251	.00334	.00300	.00423

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 407

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF075) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 75/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-1.862	.00000	35.13072	-.03709	-.05578	-.05139	-.03666	-.06587	-.05265
.154	.420	.00000	35.13403	-.02850	-.04774	-.04061	-.02549	-.05495	-.04018
.154	2.347	.00000	35.04509	-.03211	-.04423	-.03956	-.01833	-.04999	-.03242
.154	4.422	.00000	35.12963	-.03828	-.04819	-.04441	-.01639	-.04829	-.02874
.154	5.437	.00000	35.10624	-.04059	-.04893	-.04553	-.02120	-.05275	-.03260
.155	6.403	.00000	35.25159	-.04250	-.05001	-.04693	-.02099	-.05357	-.03257
.154	7.564	.00000	35.14207	-.04733	-.05276	-.05214	-.02365	-.05570	-.03461
.155	8.485	.00000	35.35915	-.05485	-.05845	-.05825	-.03213	-.06384	-.04253
.155	9.547	.00000	35.26658	-.06078	-.06346	-.06414	-.03752	-.06951	-.04762
.155	10.424	.00000	35.35299	-.07491	-.07624	-.07760	-.04255	-.07416	-.05079
.155	11.440	.00000	35.33718	-.08057	-.08131	-.08280	-.05028	-.08097	-.05759
.155	12.633	.00000	35.22346	-.09330	-.09330	-.09500	-.06618	-.09538	-.07293
.155	13.473	.00000	35.29139	-.10467	-.10450	-.10692	-.07552	-.10520	-.08114
.155	14.499	.00000	35.39723	-.11940	-.11801	-.12212	-.08988	-.11892	-.09468
.155	15.514	.00000	35.39925	-.13550	-.13394	-.13835	-.10749	-.13381	-.11109
.155	16.501	.00000	35.35156	-.14875	-.14669	-.15180	-.12058	-.14593	-.12268
.155	17.738	.00000	35.45626	-.17246	-.16917	-.17459	-.14203	-.16626	-.14245
.155	18.496	.00000	35.60344	-.18491	-.18063	-.18688	-.15482	-.17838	-.15455
.155	19.734	.00000	35.52882	-.20529	-.19901	-.20623	-.17753	-.20091	-.17749
.155	20.579	.00000	35.64264	-.22306	-.21642	-.22367	-.19620	-.21810	-.19447
.156	21.494	.00000	35.67912	-.23912	-.23225	-.23986	-.21461	-.23640	-.21241
.156	22.640	.00000	35.69988	-.26788	-.25947	-.26896	-.23761	-.25860	-.23372
.156	23.552	.00000	35.76969	-.28709	-.27857	-.28862	-.25616	-.27657	-.25174
.156	24.519	.00000	35.75933	-.30363	-.29405	-.30495	-.27600	-.29615	-.27128
.156	25.461	.00000	35.72829	-.31896	-.30838	-.31744	-.29962	-.31897	-.29578
.156	26.968	.00000	35.91010	-.34810	-.33646	-.34687	-.33197	-.35068	-.32717
GRADIENT		.00000	-.00432	-.00030	.00129	.00110	.00329	.00280	.00384

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 408

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(PJF076) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 ICRB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 76/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.709	.00000	35.19950	-.05402	-.05746	-.07534	-.04016	-.07128	-.06593
.154	.303	.00000	35.09904	-.03830	-.04206	-.05454	-.02030	-.05075	-.04171
.154	2.329	.00000	35.12301	-.03852	-.04018	-.05047	-.00980	-.04142	-.03016
.154	4.324	.00000	35.15562	-.03771	-.03943	-.04848	-.01089	-.04206	-.02818
.155	6.459	.00000	35.33136	-.04831	-.04893	-.05645	-.01906	-.05020	-.03406
.155	8.407	.00000	35.33098	-.06030	-.05920	-.06593	-.03150	-.06213	-.04404
.155	10.527	.00000	35.20843	-.07644	-.07412	-.07995	-.04533	-.07566	-.05497
.155	12.604	.00000	35.23756	-.09893	-.09623	-.10207	-.06728	-.09542	-.07501
.154	14.465	.00000	35.18998	-.12202	-.11768	-.12443	-.09308	-.12021	-.09796
.155	16.469	.00000	35.27659	-.15100	-.14706	-.15446	-.11909	-.14303	-.12098
.155	18.516	.00000	35.49595	-.18794	-.18215	-.18992	-.15493	-.17757	-.15439
.155	20.415	.00000	35.63468	-.22194	-.21466	-.22296	-.19221	-.21418	-.19104
.156	22.411	.00000	35.69170	-.26500	-.25614	-.26574	-.23564	-.25630	-.23161
.155	24.435	.00000	35.59996	-.29678	-.28596	-.29373	-.28455	-.30454	-.28137
.156	26.972	.00000	35.88046	-.34490	-.33205	-.34223	-.33250	-.35060	-.32782
	GRADIENT	.00000	-.00606	.00225	.00255	.00382	.00440	.00435	.00555

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 409

(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402

(PJF077) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 77/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.847	.00000	35.00326	-.05262	-.07332	-.07028	-.04944	-.07709	-.06778
.154	.300	.00000	35.09624	-.03295	-.05468	-.04555	-.03236	-.06043	-.04697
.154	2.197	.00000	34.97641	-.03034	-.04802	-.03902	-.02616	-.05569	-.03972
.154	4.290	.00000	35.08923	-.03399	-.04917	-.03980	-.01823	-.05052	-.03074
.154	5.326	.00000	35.11993	-.03696	-.04910	-.04077	-.02501	-.05790	-.03683
.154	6.356	.00000	35.15275	-.03914	-.04995	-.04328	-.02541	-.05814	-.03704
.154	7.321	.00000	35.17768	-.04550	-.05242	-.04797	-.02560	-.05926	-.03748
.154	8.430	.00000	35.20465	-.05050	-.05649	-.05288	-.03010	-.06307	-.04090
.155	9.400	.00000	35.23402	-.05879	-.06260	-.06064	-.03572	-.06849	-.04554
.154	10.414	.00000	35.20078	-.06592	-.06886	-.06689	-.04283	-.07497	-.05154
.154	11.523	.00000	35.17827	-.07752	-.07900	-.07832	-.05242	-.08523	-.06112
.154	12.432	.00000	35.18956	-.08521	-.08607	-.08627	-.05945	-.09100	-.06760
.154	13.416	.00000	35.19914	-.09934	-.09886	-.10017	-.07078	-.10271	-.07814
.155	14.419	.00000	35.28174	-.11216	-.11137	-.11351	-.08323	-.11417	-.08936
.155	15.456	.00000	35.30123	-.12833	-.12568	-.12980	-.09970	-.12835	-.10429
.155	16.546	.00000	35.40125	-.14387	-.14189	-.14619	-.11447	-.14187	-.11746
.155	17.467	.00000	35.41117	-.15680	-.15369	-.15853	-.12889	-.15488	-.13034
.155	18.446	.00000	35.51373	-.17867	-.17497	-.18076	-.14691	-.17218	-.14711
.155	19.495	.00000	35.51283	-.19215	-.18725	-.19366	-.16315	-.18827	-.16352
.155	20.540	.00000	35.40817	-.21730	-.21111	-.21772	-.18633	-.21098	-.18526
.155	21.516	.00000	35.42027	-.23723	-.23040	-.23811	-.20683	-.23187	-.20609
.155	22.675	.00000	35.34771	-.25905	-.25080	-.25851	-.23158	-.25508	-.23010
.155	23.547	.00000	35.39563	-.27786	-.26846	-.27779	-.25138	-.27495	-.24924
.156	24.608	.00000	35.71158	-.29910	-.28919	-.29931	-.27203	-.29446	-.26903
.156	26.887	.00000	35.88663	-.34337	-.33159	-.34097	-.33154	-.35130	-.32665
	GRADIENT	.00000	.00682	.00273	.00355	.00444	.00434	.00372	.00516

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 410

(CA-8) K3V9.1.2TS5H15.6.1F20

TS402

(PJF078) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO.		78/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.773	.00000	35.41870	-.05484	-.07357	-.08090	-.05890	-.07777	-.07364
.155	.258	.00000	35.30816	-.03822	-.05764	-.05926	-.03085	-.04977	-.04235
.155	2.259	.00000	35.22380	-.03428	-.05050	-.05006	-.02508	-.04373	-.03455
.154	4.313	.00000	35.17132	-.03078	-.04763	-.04473	-.02447	-.04250	-.03107
.154	6.240	.00000	35.19975	-.03375	-.04940	-.04453	-.02942	-.04678	-.03285
.154	8.322	.00000	35.21712	-.04372	-.05783	-.05239	-.03371	-.05115	-.03494
.154	10.393	.00000	35.21679	-.05834	-.07156	-.06407	-.05187	-.06829	-.05027
.155	12.421	.00000	35.22858	-.08119	-.09304	-.08462	-.07192	-.08757	-.06792
.155	14.426	.00000	35.26510	-.10365	-.11509	-.10708	-.09325	-.10729	-.08558
.155	16.432	.00000	35.29110	-.13228	-.14377	-.13525	-.12489	-.13541	-.11446
.155	18.508	.00000	35.35493	-.16924	-.18041	-.17121	-.15765	-.16684	-.14386
.155	20.471	.00000	35.48386	-.20500	-.21220	-.20442	-.19735	-.20568	-.18222
.155	22.484	.00000	35.58465	-.24783	-.25509	-.24924	-.23544	-.24255	-.21792
.155	24.545	.00000	35.44387	-.27910	-.28335	-.27519	-.28647	-.29307	-.26995
.155	26.892	.00000	35.59733	-.32664	-.32880	-.32047	-.34233	-.34789	-.32501
	GRADIENT	.00000	-.03566	.00338	.00374	.00517	.00492	.00503	.00605

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 411

(CA-8) K3V9.1.2TS5H15.6.1F20

TS402

(PJF079) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 79/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.778	.00000	35.18761	-.06136	-.07786	-.08721	-.06038	-.06019	-.07675
.154	.176	.00000	35.13699	-.03899	-.05688	-.06021	-.03365	-.05400	-.04708
.154	2.191	.00000	35.10073	-.03121	-.04594	-.04755	-.02687	-.04616	-.03740
.154	4.248	.00000	35.14908	-.03268	-.04698	-.04623	-.02292	-.04292	-.03101
.154	5.244	.00000	35.14992	-.03402	-.04767	-.04638	-.02268	-.04206	-.02921
.154	6.428	.00000	35.16898	-.03551	-.04900	-.04667	-.02629	-.04528	-.03029
.154	7.251	.00000	35.16775	-.03968	-.05245	-.04922	-.02744	-.04644	-.03131
.155	9.315	.00000	35.22381	-.05181	-.06400	-.05919	-.04255	-.06064	-.04377
.154	10.407	.00000	35.21612	-.06369	-.07546	-.07011	-.05074	-.06915	-.05050
.154	11.417	.00000	35.19103	-.07175	-.08285	-.07690	-.05898	-.07662	-.05695
.154	12.469	.00000	35.12582	-.08053	-.09177	-.08559	-.06643	-.08282	-.06332
.154	13.482	.00000	35.17902	-.09538	-.10512	-.09977	-.07788	-.09358	-.07223
.155	14.545	.00000	35.25061	-.10243	-.11218	-.10589	-.09218	-.10803	-.08670
.155	15.502	.00000	35.28300	-.12109	-.12942	-.12501	-.10521	-.11918	-.09669
.155	16.490	.00000	35.32887	-.13160	-.14086	-.13610	-.12020	-.13187	-.10990
.155	17.451	.00000	35.54264	-.15197	-.16097	-.15562	-.13798	-.14931	-.12677
.155	17.707	.00000	35.47940	-.15339	-.16177	-.15630	-.13964	-.15128	-.12854
.155	18.521	.00000	35.37279	-.16893	-.17645	-.17166	-.15417	-.16529	-.14160
.155	19.512	.00000	35.45991	-.18336	-.19075	-.18543	-.17246	-.18274	-.15912
.155	20.602	.00000	35.49168	-.20675	-.21284	-.20806	-.19438	-.20434	-.18008
.155	21.611	.00000	35.54571	-.22754	-.23201	-.22890	-.21298	-.22193	-.19732
.155	22.627	.00000	35.62437	-.24437	-.24936	-.24506	-.23471	-.24395	-.21915
.155	23.475	.00000	35.58289	-.26353	-.26784	-.26359	-.25350	-.26169	-.23665
.155	24.508	.00000	35.50143	-.28818	-.29148	-.28832	-.27697	-.28416	-.25320
.155	25.593	.00000	35.50618	-.30698	-.30920	-.30571	-.30312	-.31034	-.28568
.156	26.877	.00000	35.77506	-.32684	-.32820	-.32364	-.33447	-.34058	-.31672
	GRADIENT	.00000	-.00721	.00423	.00462	.00604	.00533	.00535	.00653

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 412

(CA-8) K3V9.1.2TS5H15.6.1F20

TS402

(PJF080) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO.		80/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.818	.00000	35.23571	-.05673	-.07361	-.07951	-.05346	-.07220	-.06743	
.155	.231	.00000	35.26475	-.03982	-.05842	-.05934	-.03251	-.05100	-.04318	
.154	2.160	.00000	35.19490	-.03344	-.04896	-.04810	-.02263	-.04107	-.03097	
.154	4.341	.00000	35.21954	-.03012	-.04570	-.04288	-.02304	-.04073	-.02806	
.155	6.376	.00000	35.24100	-.03765	-.05229	-.04756	-.02776	-.04556	-.03047	
.155	8.436	.00000	35.31718	-.04551	-.05243	-.05292	-.03534	-.05283	-.03556	
.155	10.475	.00000	35.24292	-.06058	-.07379	-.06549	-.05227	-.06870	-.05016	
.155	12.425	.00000	35.32922	-.08209	-.09363	-.08505	-.07017	-.08575	-.06532	
.155	14.314	.00000	35.36059	-.10394	-.11541	-.10616	-.09360	-.10874	-.08629	
.155	16.496	.00000	35.32959	-.13904	-.14998	-.14149	-.12834	-.13956	-.11691	
.155	18.517	.00000	35.39663	-.16913	-.17859	-.16915	-.16218	-.17117	-.14844	
.155	20.543	.00000	35.62882	-.20925	-.21646	-.20930	-.19622	-.20382	-.17917	
.156	22.567	.00000	35.79655	-.24672	-.25302	-.24651	-.23434	-.24091	-.21542	
.155	24.614	.00000	35.53690	-.28626	-.29027	-.28450	-.28072	-.28647	-.26119	
.157	26.863	.00000	36.26830	-.32817	-.33124	-.32245	-.34210	-.34640	-.32340	
	GRADIENT	.00000	-.00449	.00377	.00403	.00525	.00445	.00458	.00569	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 413

(CA-8) K3V9.1.2T55H15.6.1F20TS402

(PJF081) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 81/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.792	.00000	35.16622	-.06186	-.07837	-.08657	-.05725	-.07731	-.07335
.154	.213	.00000	35.06889	-.03857	-.05565	-.05871	-.03787	-.05754	-.04944
.154	2.205	.00000	35.10807	-.03728	-.05166	-.05235	-.02344	-.04313	-.03323
.154	4.360	.00000	35.13943	-.03372	-.04769	-.04648	-.02225	-.04192	-.02929
.154	6.346	.00000	35.12538	-.03617	-.04955	-.04619	-.02773	-.04643	-.03212
.154	8.274	.00000	35.12262	-.04373	-.05545	-.05170	-.03502	-.05310	-.03612
.154	10.548	.00000	35.17344	-.06320	-.07512	-.06811	-.04993	-.06754	-.04805
.154	12.464	.00000	35.02982	-.08499	-.09554	-.08925	-.06602	-.08176	-.06144
.154	14.484	.00000	35.08116	-.10358	-.11353	-.10593	-.09438	-.10992	-.08781
.154	16.545	.00000	35.17507	-.13669	-.14639	-.13928	-.12655	-.13766	-.11569
.155	18.518	.00000	35.28086	-.16831	-.17698	-.16997	-.15693	-.16714	-.14368
.155	20.548	.00000	35.54040	-.20889	-.21503	-.20938	-.19477	-.20367	-.17875
.155	22.448	.00000	35.60126	-.24451	-.24978	-.24370	-.23333	-.24099	-.21542
.155	24.488	.00000	35.54754	-.28212	-.28544	-.27890	-.28357	-.28928	-.26522
.156	26.848	.00000	36.12208	-.32585	-.32755	-.32062	-.33765	-.34235	-.31958
	GRADIENT	.00000	-.00315	.00382	.00424	.00556	.00517	.00522	.00641

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 414

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(P.F082) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.	82/ 0	RN/L =	.00	GRADIENT INTERVAL =	-5.00/	5.00				
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.773	.00000	35.23695	-.06003	-.07840	-.08468	-.05776	-.07629	-.07267	
.154	.147	.00000	35.09097	-.03390	-.05400	-.05525	-.03441	-.05339	-.04635	
.154	2.302	.00000	35.04416	-.03228	-.04926	-.04826	-.02786	-.04672	-.03730	
.154	4.360	.00000	35.18692	-.03400	-.04919	-.04633	-.02512	-.04332	-.03075	
.154	6.345	.00000	35.18528	-.03676	-.05148	-.04672	-.02876	-.04703	-.03192	
.154	8.303	.00000	35.11957	-.04563	-.06011	-.05357	-.03683	-.05480	-.03762	
.154	10.396	.00000	35.15566	-.06087	-.07378	-.0662	-.05041	-.06758	-.04886	
.154	12.371	.00000	35.20025	-.08055	-.09267	-.08399	-.06962	-.08594	-.06570	
.154	14.438	.00000	35.18055	-.10600	-.11656	-.10828	-.09377	-.10965	-.08750	
.154	16.471	.00000	35.20501	-.13644	-.14736	-.13977	-.12207	-.13390	-.11114	
.155	18.502	.00000	35.52097	-.16671	-.17516	-.16707	-.15834	-.16762	-.14491	
.155	20.515	.00000	35.47012	-.20937	-.21592	-.20873	-.19472	-.20331	-.17841	
.155	22.519	.00000	35.53296	-.24895	-.25389	-.24846	-.23649	-.24406	-.21862	
.155	24.487	.00000	35.65791	-.28411	-.28851	-.2825	-.27851	-.28492	-.25970	
.156	26.884	.00000	35.78880	-.32982	-.33233	-.32389	-.34123	-.34628	-.32276	
GRADIENT		.00000	-.01042	.00360	.00410	.00538	.00458	.00461	.00585	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 415

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF083) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.	83/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.765	.00000	35.07737	-.05884	-.07495	-.08292	-.05792	-.07861	-.07431
.154	.193	.00000	35.03162	-.04153	-.05849	-.06204	-.03702	-.05761	-.05004
.154	2.248	.00000	34.97641	-.03462	-.04847	-.04945	-.02523	-.04558	-.03571
.154	4.299	.00000	35.18835	-.03242	-.04690	-.04555	-.02240	-.04239	-.02996
.154	5.246	.00000	35.18945	-.03400	-.04782	-.04555	-.02875	-.04826	-.03505
.154	6.393	.00000	35.20204	-.04099	-.05420	-.05087	-.02691	-.04654	-.03183
.155	7.375	.00000	35.24796	-.04173	-.05479	-.05041	-.03296	-.05241	-.03609
.154	8.277	.00000	35.17912	-.04668	-.05837	-.05455	-.03286	-.05183	-.03513
.154	9.476	.00000	35.21059	-.05246	-.06380	-.05820	-.04189	-.06089	-.04324
.154	10.461	.00000	35.22789	-.06415	-.07519	-.06900	-.04957	-.06781	-.04900
.154	11.356	.00000	35.19855	-.06970	-.08008	-.07293	-.05940	-.07768	-.05882
.154	12.422	.00000	35.14238	-.08176	-.09194	-.08523	-.06988	-.08548	-.06572
.155	13.508	.00000	35.23612	-.09178	-.10171	-.09503	-.07906	-.09619	-.07455
.155	14.428	.00000	35.24020	-.10536	-.11381	-.10801	-.08744	-.10444	-.08181
.155	15.500	.00000	35.34160	-.11997	-.12848	-.12232	-.10611	-.12211	-.09911
.155	16.565	.00000	35.34940	-.13725	-.14577	-.14009	-.12327	-.13640	-.11397
.155	17.574	.00000	35.48138	-.14800	-.15561	-.14907	-.13624	-.14812	-.12551
.154	18.465	.00000	35.10048	-.17119	-.17774	-.17250	-.15626	-.16572	-.14330
.155	19.444	.00000	35.34423	-.18989	-.19691	-.19115	-.17265	-.18275	-.15815
.155	20.545	.00000	35.33369	-.20575	-.21137	-.20602	-.19334	-.20306	-.17900
.155	21.579	.00000	35.36062	-.23456	-.23879	-.23475	-.21694	-.22590	-.20028
.155	22.555	.00000	35.45323	-.25051	-.25475	-.24888	-.23822	-.24716	-.22205
.155	23.670	.00000	35.58715	-.27166	-.27369	-.26891	-.26290	-.27113	-.24629
.156	24.507	.00000	35.97679	-.29320	-.29563	-.29258	-.27891	-.28656	-.26027
.156	25.600	.00000	35.94208	-.30746	-.30967	-.30479	-.30397	-.31115	-.28594
.156	26.879	.00000	35.84171	-.33128	-.33204	-.32558	-.33779	-.34341	-.31960
	GRADIENT	.00000	.01015	.00381	.00413	.00546	.00520	.00529	.00644

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 416

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF084) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 ICRB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 84/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.751	.00000	35.00326	-.06227	-.07584	-.08638	-.05925	-.08058	-.07659
.154	.166	.00000	34.92521	-.03877	-.05435	-.05983	-.03654	-.05773	-.04971
.154	2.373	.00000	34.94161	-.03361	-.04578	-.04889	-.02574	-.04626	-.03669
.154	4.252	.00000	34.97755	-.03636	-.04870	-.04961	-.02180	-.04348	-.03075
.154	6.279	.00000	34.97663	-.03953	-.05146	-.05000	-.03002	-.05032	-.03587
.154	8.281	.00000	35.02032	-.04803	-.05874	-.05561	-.03771	-.05739	-.04078
.154	10.237	.00000	34.98211	-.06160	-.07104	-.06665	-.04808	-.06780	-.04916
.154	12.506	.00000	35.08734	-.08393	-.09235	-.08701	-.07199	-.08943	-.06943
.154	14.343	.00000	35.13705	-.10478	-.11306	-.10749	-.09165	-.10964	-.08744
.155	16.433	.00000	35.27548	-.13477	-.14293	-.13776	-.12178	-.13532	-.11264
.155	18.496	.00000	35.37483	-.17299	-.17985	-.17449	-.15664	-.16782	-.14448
.155	20.535	.00000	35.50727	-.21298	-.21704	-.21341	-.19720	-.20753	-.18358
.155	22.450	.00000	35.65746	-.24858	-.25091	-.24650	-.23714	-.24692	-.22219
.155	24.536	.00000	35.62006	-.28982	-.29225	-.28947	-.27640	-.28486	-.25781
.156	26.883	.00000	35.72739	-.33137	-.33138	-.32660	-.33809	-.34454	-.32161
GRADIENT		.00000	-.00373	.00379	.00407	.00543	.00543	.00543	.00662

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 417

(CA-8) K3V9.1.2TS5

F20TS401

(PJF085) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 85/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.902	.00000	35.38773	-.06162	-.07956	-.08721	-.06212	-.07953	-.07728
.154	-1.834	.00000	35.10535	-.05305	-.07027	-.07718	-.05056	-.06785	-.06422
.154	.240	.00000	35.16009	-.03921	-.05728	-.06078	-.03723	-.05334	-.04768
.154	2.242	.00000	35.23514	-.03868	-.05436	-.05553	-.02982	-.04611	-.03774
.154	4.253	.00000	35.06506	-.03172	-.04737	-.04651	-.02782	-.04420	-.03398
.154	5.277	.00000	35.05086	-.03338	-.04832	-.04661	-.02967	-.04593	-.03486
.155	6.346	.00000	35.27409	-.03590	-.04994	-.04697	-.03269	-.04890	-.03614
.154	7.369	.00000	35.03831	-.04019	-.05432	-.05060	-.03516	-.05045	-.03652
.155	8.344	.00000	35.36409	-.04718	-.06069	-.05607	-.04022	-.05567	-.04112
.154	9.354	.00000	35.24845	-.05123	-.06439	-.05937	-.04340	-.05812	-.04242
.154	10.357	.00000	35.08856	-.05955	-.07236	-.06690	-.04898	-.06300	-.04596
.154	11.402	.00000	34.82604	-.06525	-.07724	-.07152	-.05876	-.07213	-.05434
.154	12.405	.00000	35.12618	-.08188	-.09383	-.08729	-.06756	-.08104	-.06191
.154	13.456	.00000	35.23985	-.09587	-.10741	-.10096	-.08108	-.09348	-.07392
.154	14.441	.00000	35.15589	-.10481	-.11642	-.11022	-.09272	-.10517	-.08513
.155	15.503	.00000	35.34193	-.12232	-.13303	-.12733	-.10701	-.11688	-.09638
.155	16.470	.00000	35.53424	-.13316	-.14422	-.13787	-.12450	-.13373	-.11231
.154	17.553	.00000	35.24498	-.14571	-.15680	-.14927	-.14233	-.14948	-.12898
.155	18.468	.00000	35.32606	-.16554	-.17556	-.16873	-.15869	-.16498	-.14366
.155	19.552	.00000	35.64946	-.18322	-.19210	-.18555	-.17608	-.18118	-.16023
.155	20.526	.00000	35.50459	-.20434	-.21297	-.20606	-.19855	-.20280	-.18080
.155	21.495	.00000	35.50240	-.22337	-.23071	-.22481	-.22157	-.22519	-.20283
.155	22.499	.00000	35.49312	-.24821	-.25556	-.25043	-.23948	-.24250	-.21931
.155	23.499	.00000	35.51098	-.26366	-.27045	-.26451	-.25922	-.26215	-.23367
.156	24.533	.00000	36.06491	-.28568	-.29239	-.28739	-.27924	-.28138	-.25743
.156	25.513	.00000	35.98897	-.30477	-.31101	-.30552	-.30573	-.30665	-.28328
.156	26.883	.00000	35.84024	-.32898	-.33405	-.32645	-.34290	-.34258	-.32077
	GRADIENT	.00000	-.02510	.00394	.00428	.00552	.00474	.00490	.00602

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 418

(CA-8) K3V9.1.2TS5

F20TS402

(PJF086) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L * 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO.		86/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	O(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.865	.00000	35.39975	-.05573	-.07499	-.08449	-.05985	-.07828	-.07453	
.155	-1.872	.00000	35.29653	-.05116	-.07024	-.07781	-.04696	-.06636	-.06147	
.154	.213	.00000	35.19221	-.03375	-.05424	-.05809	-.03650	-.05506	-.04733	
.154	2.251	.00000	35.21515	-.03059	-.04846	-.04915	-.02396	-.04274	-.03283	
.154	4.304	.00000	35.18018	-.02739	-.04509	-.04409	-.02196	-.04071	-.02887	
.154	5.287	.00000	35.17899	-.03369	-.05013	-.04797	-.02514	-.04318	-.03005	
.155	6.297	.00000	35.27241	-.03339	-.04926	-.04682	-.02432	-.04173	-.02779	
.154	7.345	.00000	35.22787	-.03405	-.05026	-.04673	-.02757	-.04504	-.03001	
.154	8.354	.00000	35.21821	-.04238	-.05806	-.05340	-.03439	-.05138	-.03557	
.154	9.386	.00000	35.05033	-.05028	-.06557	-.05975	-.04086	-.05718	-.04067	
.154	10.422	.00000	35.12656	-.05776	-.07272	-.06666	-.04844	-.06478	-.04655	
.154	11.379	.00000	35.15246	-.06394	-.07862	-.07196	-.05294	-.06890	-.04996	
.154	12.407	.00000	35.21374	-.07462	-.08851	-.08125	-.06642	-.08097	-.06177	
.154	13.431	.00000	35.22643	-.08953	-.10311	-.09669	-.07410	-.08835	-.06722	
.155	14.429	.00000	35.26527	-.09720	-.11076	-.10384	-.06941	-.10320	-.08229	
.154	15.444	.00000	35.24836	-.11288	-.12613	-.11927	-.10330	-.11537	-.09319	
.155	16.525	.00000	35.29464	-.13031	-.14421	-.13678	-.11944	-.12923	-.10704	
.155	17.532	.00000	35.36813	-.14101	-.15414	-.14611	-.13745	-.14563	-.12434	
.155	18.493	.00000	35.43226	-.16366	-.17611	-.16874	-.15341	-.16070	-.13795	
.155	19.493	.00000	35.43516	-.18122	-.19317	-.18526	-.17169	-.17812	-.15504	
.155	20.499	.00000	35.43954	-.19978	-.21136	-.20354	-.19244	-.19790	-.17467	
.155	21.491	.00000	35.44497	-.21934	-.22976	-.22280	-.21477	-.21943	-.19647	
.155	22.508	.00000	35.55719	-.23875	-.24895	-.24147	-.23249	-.23678	-.21274	
.155	23.516	.00000	35.56836	-.26068	-.27044	-.26346	-.25607	-.25942	-.23535	
.156	24.502	.00000	35.79064	-.27921	-.28871	-.28158	-.27692	-.27928	-.25545	
.156	25.510	.00000	35.78376	-.29950	-.30864	-.30122	-.30296	-.30473	-.28142	
.156	26.939	.00000	36.02085	-.32330	-.33160	-.32341	-.33682	-.33878	-.31589	
	GRADIENT	.00000	-.02668	.00412	.00436	.00586	.00521	.00522	.00637	

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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3V9.1.2TS5

F20TS401

PAGE 419

(PJF087) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.	87/ 0	RN/L =	.00	GRADIENT INTERVAL =	-5.00/	5.00						
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6			
.154	-2.869	.00000	35.24834	-.06033	-.07836	-.08728	-.05455	-.07364	-.06983			
.154	-1.814	.00000	35.17296	-.04021	-.06116	-.06719	-.05517	-.07272	-.06708			
.154	.233	.00000	35.06072	-.03621	-.05613	-.05833	-.03514	-.05352	-.04592			
.154	2.264	.00000	35.23359	-.03263	-.04957	-.04958	-.02869	-.04665	-.03759			
.154	4.300	.00000	35.11722	-.02931	-.04613	-.04450	-.02160	-.03925	-.02727			
.154	5.272	.00000	35.18994	-.03266	-.04942	-.04617	-.02399	-.04139	-.02824			
.154	6.335	.00000	35.16774	-.03338	-.04970	-.04574	-.02516	-.04181	-.02817			
.154	7.359	.00000	35.21529	-.04121	-.05670	-.05263	-.02950	-.04521	-.03010			
.154	8.352	.00000	35.23777	-.04622	-.06214	-.05636	-.03391	-.04955	-.03391			
.154	9.426	.00000	35.09716	-.05180	-.06752	-.06044	-.04282	-.05810	-.04140			
.154	10.439	.00000	35.07427	-.05735	-.07241	-.06514	-.04766	-.06241	-.04496			
.155	11.401	.00000	35.30664	-.06558	-.07979	-.07269	-.05553	-.07706	-.05858			
.155	12.407	.00000	35.29952	-.07689	-.09100	-.08305	-.06394	-.09219	-.07119			
.155	13.436	.00000	35.31522	-.08799	-.10258	-.09435	-.07906	-.10297	-.08148			
.155	14.444	.00000	35.38832	-.10378	-.11804	-.11022	-.09126	-.10297	-.09358			
.155	15.479	.00000	35.37110	-.11713	-.13019	-.12261	-.10466	-.11525	-.10700			
.155	16.492	.00000	35.38577	-.12905	-.14357	-.13472	-.12065	-.12896	-.12505			
.155	17.515	.00000	35.39681	-.14719	-.16134	-.15296	-.13964	-.14709	-.13910			
.155	18.495	.00000	35.51735	-.16515	-.17863	-.16978	-.15592	-.16176	-.15625			
.155	19.491	.00000	35.42417	-.18282	-.19575	-.18686	-.17381	-.17933	-.17680			
.155	20.500	.00000	35.33766	-.20157	-.21456	-.20500	-.19515	-.19966	-.19434			
.155	21.497	.00000	35.40693	-.21955	-.23188	-.22229	-.21372	-.21800	-.21607			
.155	22.558	.00000	35.41318	-.24647	-.25736	-.24995	-.23721	-.24055	-.23742			
.156	23.513	.00000	35.78328	-.26264	-.27232	-.26451	-.25886	-.25178	-.25742			
.156	24.507	.00000	35.77230	-.28274	-.29205	-.28509	-.28024	-.28217	-.28451			
.156	25.595	.00000	35.87930	-.30412	-.31296	-.30496	-.30680	-.30793	-.31777			
.156	26.963	.00000	35.99763	-.32749	-.33611	-.32682	-.33999	-.34106	-.31777			
.156	GRADIENT	.00000	-.00966	.00335	.00394	.00539	.00505	.00517	.00623			

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 420

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF088) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = .1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.		88/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-2.774	.00000	35.02027	-.05781	-.07809	-.08470	-.05966	-.07759	-.07451	
.154	-1.857	.00000	34.99418	-.04978	-.07056	-.07449	-.04670	-.06421	-.06024	
.154	.237	.00000	34.99051	-.03761	-.05928	-.05940	-.03322	-.05077	-.04419	
.155	2.285	.00000	35.45753	-.03201	-.05071	-.04953	-.02585	-.04316	-.03419	
.154	4.289	.00000	34.82395	-.02972	-.04855	-.04439	-.02341	-.03997	-.02889	
.154	6.322	.00000	35.03399	-.03236	-.05020	-.04447	-.02652	-.04254	-.02952	
.155	8.393	.00000	35.43139	-.04375	-.06100	-.05342	-.03514	-.05079	-.03538	
.154	10.453	.00000	35.13129	-.05664	-.07227	-.06402	-.04891	-.06400	-.04740	
.154	12.441	.00000	34.86746	-.07652	-.09171	-.08261	-.06442	-.07696	-.05807	
.155	14.447	.00000	35.43536	-.09943	-.11491	-.105 5	-.09360	-.10520	-.08495	
.155	16.472	.00000	35.34023	-.12896	-.14312	-.13429	-.11884	-.12783	-.10651	
.154	18.504	.00000	35.12572	-.16278	-.17649	-.16695	-.15914	-.16529	-.14359	
.155	20.517	.00000	35.65233	-.20359	-.21566	-.20718	-.19409	-.19920	-.17599	
.155	22.567	.00000	35.57373	-.24406	-.25568	-.24711	-.23469	-.23806	-.21418	
.155	24.552	.00000	35.88303	-.28435	-.29471	-.28739	-.27845	-.28114	-.25601	
.156	26.964	.00000	36.13010	-.32860	-.33731	-.32825	-.33849	-.33957	-.31661	
	GRADIENT	.00000	.00348	.00394	.00424	.00567	.00494	.00510	.00625	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 421

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF089) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.	89/ 0	RN/L =	.00	GRADIENT INTERVAL * -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.768	.00000	35.33699	-.05331	-.07378	-.08218	-.05818	-.07551	-.07139
.155	-1.811	.00000	35.31857	-.04589	-.06561	-.07220	-.04645	-.06477	-.05972
.155	.236	.00000	35.27375	-.03307	-.05338	-.05616	-.03520	-.05206	-.04465
.154	2.303	.00000	35.20016	-.02966	-.04689	-.04747	-.02557	-.04238	-.03308
.154	4.266	.00000	35.01606	-.03024	-.04724	-.04589	-.02403	-.04063	-.02899
.155	6.347	.00000	35.28558	-.03526	-.05197	-.04826	-.03109	-.04741	-.03356
.155	8.331	.00000	35.52788	-.04397	-.05942	-.05411	-.03677	-.05277	-.03599
.155	10.367	.00000	35.25953	-.05522	-.06986	-.06388	-.04839	-.06289	-.04482
.155	12.494	.00000	35.25609	-.07933	-.09319	-.08586	-.07017	-.08264	-.06451
.155	14.549	.00000	35.27352	-.10118	-.11348	-.10660	-.09393	-.10519	-.08430
.155	16.505	.00000	35.49270	-.12923	-.14149	-.13560	-.12179	-.13000	-.10879
.155	18.494	.00000	35.49246	-.16253	-.17444	-.16761	-.15403	-.16089	-.13803
.155	20.559	.00000	35.35799	-.20302	-.21261	-.20642	-.19639	-.20290	-.17903
.155	22.554	.00000	35.39965	-.24397	-.25293	-.24674	-.23687	-.24065	-.21592
.156	24.640	.00000	35.74988	-.28669	-.29453	-.28902	-.28181	-.28419	-.25942
.156	26.989	.00000	35.68617	-.32770	-.33430	-.32937	-.33698	-.33773	-.31487
GRADIENT		.00000	-.04254	.00332	.00384	.00523	.00477	.00494	.00600

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 422

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF090) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

	RUN NO.	90/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-2.723	.00000	35.19951	-.05906	-.07942	-.08648	-.05785	-.07421	-.07055	
.154	-1.853	.00000	35.22273	-.04921	-.06997	-.07559	-.05029	-.06621	-.06191	
.154	.211	.00000	35.15983	-.03606	-.05820	-.05923	-.03859	-.05334	-.04611	
.154	2.298	.00000	35.21199	-.03547	-.05510	-.05472	-.02645	-.04159	-.03260	
.154	4.264	.00000	35.11015	-.02932	-.04843	-.04528	-.02752	-.04235	-.03080	
.155	6.320	.00000	35.43347	-.03172	-.05075	-.04542	-.03219	-.04610	-.03273	
.154	8.366	.00000	35.04529	-.03923	-.05731	-.05043	-.03904	-.05223	-.03674	
.154	10.261	.00000	35.17440	-.05667	-.07397	-.06594	-.05470	-.06669	-.04938	
.154	12.488	.00000	35.20123	-.07456	-.08970	-.08082	-.07123	-.08139	-.06288	
.155	14.425	.00000	35.27494	-.09757	-.11392	-.10612	-.09074	-.10009	-.07954	
.155	16.451	.00000	35.42497	-.12501	-.14088	-.13187	-.12251	-.12926	-.10767	
.155	18.490	.00000	35.63603	-.16269	-.17691	-.16805	-.15911	-.16233	-.14059	
.155	20.564	.00000	35.67576	-.19796	-.21119	-.20161	-.19907	-.20172	-.17879	
.155	22.582	.00000	35.65373	-.24355	-.25525	-.24788	-.23698	-.23803	-.21371	
.156	24.527	.00000	35.95033	-.28154	-.29207	-.28493	-.27982	-.27960	-.25517	
.156	26.994	.00000	35.91788	-.32480	-.33423	-.32536	-.34171	-.33972	-.31777	
	GRADIENT	.00000	-.01086	.00389	.00411	.00555	.00457	.00477	.00591	

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 423

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF091) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 91/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.702	.00000	35.40932	-.05502	-.07882	-.08262	-.06003	-.07357	-.07031
.155	-1.868	.00000	35.35300	-.04725	-.07145	-.07467	-.05497	-.06747	-.06380
.155	.201	.00000	35.32421	-.03633	-.06102	-.06008	-.04009	-.05305	-.04631
.155	2.259	.00000	35.36937	-.02737	-.04997	-.04621	-.03050	-.04344	-.03466
.155	4.269	.00000	35.36525	-.02698	-.05089	-.04429	-.02779	-.04068	-.02882
.155	5.316	.00000	35.28983	-.02757	-.04990	-.04301	-.03040	-.04224	-.03020
.155	6.314	.00000	35.31986	-.02803	-.04916	-.04227	-.02922	-.04089	-.02752
.155	7.366	.00000	35.28489	-.03471	-.05585	-.04773	-.03495	-.04549	-.03145
.155	8.358	.00000	35.25717	-.03803	-.05912	-.04947	-.03863	-.05016	-.03553
.155	9.375	.00000	35.25021	-.04345	-.06440	-.05414	-.04794	-.05735	-.04210
.154	10.450	.00000	35.23320	-.05266	-.07268	-.06215	-.05072	-.06016	-.04344
.155	11.414	.00000	35.24657	-.06049	-.07996	-.06889	-.06021	-.06940	-.05085
.155	12.423	.00000	35.25474	-.07147	-.09137	-.07930	-.07108	-.07802	-.05982
.154	13.418	.00000	35.16047	-.08124	-.10176	-.08937	-.08136	-.08861	-.06913
.155	14.499	.00000	35.29174	-.09808	-.11774	-.10661	-.09409	-.10074	-.08005
.155	15.454	.00000	35.37479	-.10968	-.12881	-.11643	-.11233	-.11708	-.09707
.155	16.477	.00000	35.31944	-.12355	-.14366	-.13128	-.12705	-.12975	-.10930
.155	17.499	.00000	35.37697	-.14418	-.16321	-.15077	-.14466	-.14637	-.12516
.155	18.501	.00000	35.27874	-.15953	-.17768	-.16558	-.15944	-.16060	-.13885
.155	19.520	.00000	35.59519	-.17483	-.19268	-.18081	-.17576	-.17561	-.15342
.156	20.503	.00000	35.70226	-.19658	-.21328	-.20177	-.19712	-.19715	-.17395
.156	21.580	.00900	35.69504	-.21870	-.23549	-.22471	-.21557	-.21442	-.19018
.155	22.530	.00000	35.54249	-.23893	-.25522	-.24404	-.24051	-.23835	-.21452
.156	23.523	.00000	35.68569	-.25743	-.27290	-.26174	-.26346	-.26031	-.23721
.155	24.560	.00000	35.62850	-.28034	-.29514	-.28436	-.28599	-.28244	-.25805
.156	25.528	.00000	35.99621	-.30154	-.31681	-.30615	-.30394	-.30026	-.27511
.156	26.999	.00000	36.01522	-.32763	-.34111	-.32923	-.34805	-.34369	-.32136
GRADIENT		.00000	-.00280	.00409	.00418	.00572	.00486	.00489	.00613

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 424

(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(PJF092) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO.		92/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.698	.00000	35.21489	-.05645	-.07640	-.08427	-.05623	-.07487	-.07107	
.155	-1.805	.00000	35.23018	-.04887	-.06812	-.07519	-.04348	-.06280	-.05799	
.155	.196	.00000	35.23907	-.03427	-.05322	-.05738	-.02961	-.04834	-.04078	
.155	2.258	.00000	35.29709	-.02874	-.04624	-.04801	-.02632	-.04224	-.03253	
.154	4.289	.00000	35.19059	-.02573	-.04415	-.04323	-.02013	-.03837	-.02683	
.155	6.318	.00000	35.26109	-.02986	-.04790	-.04413	-.02614	-.04360	-.02936	
.155	8.371	.00000	35.27585	-.03988	-.05519	-.05067	-.03292	-.05005	-.03364	
.155	10.395	.00000	35.26098	-.05122	-.06665	-.06051	-.04837	-.06427	-.04670	
.154	12.435	.00000	35.19940	-.07197	-.08627	-.08021	-.06101	-.07560	-.05678	
.154	14.450	.00000	35.20054	-.09453	-.10917	-.10319	-.08464	-.09908	-.07806	
.154	16.498	.00000	35.14649	-.12562	-.13941	-.13227	-.12007	-.12966	-.10935	
.155	18.494	.00000	35.34724	-.15682	-.16862	-.16169	-.15272	-.16057	-.13890	
.155	20.479	.00000	35.51666	-.19203	-.20224	-.19587	-.18927	-.19653	-.17399	
.155	22.523	.00000	35.54633	-.23679	-.24610	-.24109	-.23101	-.23632	-.21311	
.155	24.492	.00000	35.54314	-.28015	-.28883	-.28393	-.27614	-.28014	-.25588	
.157	27.041	.00000	36.25048	-.32626	-.33252	-.32659	-.33720	-.33900	-.31657	
GRADIENT	.00000	.00000	.00045	.00440	.00466	.00593	.00476	.00500	.00613	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 425

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(PJF093) (01 JUN 76)

REFERENCE DATA

SREF = 5590.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 93/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.740	.00000	35.33123	-.05120	-.07084	-.07858	-.05210	-.07052	-.06812
.154	.189	.00000	35.15241	-.03236	-.05203	-.05561	-.02611	-.04493	-.03970
.154	2.244	.00000	35.10423	-.02838	-.04592	-.04669	-.02185	-.04012	-.03261
.154	4.326	.00000	35.12194	-.02451	-.04199	-.04053	-.01749	-.03599	-.02523
.154	6.297	.00000	35.08503	-.03044	-.04733	-.04408	-.02324	-.04061	-.02839
.155	8.372	.00000	35.20480	-.03807	-.05443	-.04916	-.03123	-.04801	-.03362
.155	10.259	.00000	35.22797	-.05118	-.06696	-.06011	-.04503	-.06132	-.04470
.155	12.427	.00000	35.20111	-.06914	-.08306	-.07548	-.06054	-.07513	-.05788
.155	14.478	.00000	35.28931	-.09770	-.11248	-.10468	-.08840	-.10142	-.08123
.155	16.500	.00000	35.49209	-.12761	-.14078	-.13398	-.11342	-.12348	-.10329
.155	18.556	.00000	35.31415	-.16308	-.17402	-.16748	-.15129	-.15942	-.13809
.155	20.586	.00000	35.34174	-.20069	-.21149	-.20464	-.19036	-.19739	-.17480
	GRADIENT	.00000	-.03047	.00373	.00409	.00540	.00482	.00482	.00599

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 426

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(PJF094) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 94/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.747	.00000	35.26900	-.05433	-.07420	-.08251	-.05315	-.07189	-.06933
.155	.141	.00000	35.21295	-.03499	-.05534	-.05967	-.03169	-.05032	-.04347
.154	2.222	.00000	35.16805	-.02866	-.04603	-.04768	-.02289	-.04150	-.03326
.155	4.351	.00000	35.19659	-.02904	-.04620	-.04569	-.02125	-.03968	-.02816
.155	5.299	.00000	35.21312	-.02934	-.04663	-.04521	-.02350	-.04197	-.03002
.154	6.384	.00000	35.17853	-.03070	-.04669	-.04502	-.02627	-.04356	-.03020
.155	7.394	.00000	35.24665	-.03702	-.05296	-.04964	-.03387	-.05118	-.03687
.155	8.376	.00000	35.25084	-.03702	-.05250	-.04809	-.03296	-.05025	-.03531
.155	10.357	.00000	35.27587	-.05654	-.07117	-.06495	-.04832	-.06485	-.04652
.155	11.502	.00000	35.35094	-.06654	-.08078	-.07357	-.05698	-.07323	-.05414
.155	12.458	.00000	35.28907	-.07872	-.09237	-.08561	-.06755	-.08262	-.06430
.154	13.494	.00000	35.14841	-.09097	-.10452	-.09777	-.08000	-.09421	-.07410
.154	14.500	.00000	35.12484	-.09851	-.11219	-.10558	-.09259	-.10597	-.08512
.154	15.551	.00000	35.13343	-.11842	-.13073	-.12557	-.10599	-.11732	-.09670
.154	16.449	.00000	35.13460	-.13094	-.14335	-.13634	-.12124	-.13132	-.11072
.155	17.519	.00000	35.26941	-.14743	-.15849	-.15209	-.13767	-.14721	-.12523
.155	18.486	.00000	35.43232	-.16765	-.17814	-.17266	-.15406	-.16308	-.13998
.155	19.449	.00000	35.31506	-.18518	-.19548	-.19000	-.17257	-.17944	-.15618
.155	20.548	.00000	35.38480	-.20415	-.21307	-.20786	-.19187	-.19944	-.17587
.155	21.569	.00000	35.40533	-.22224	-.23163	-.22606	-.21120	-.21823	-.19428
.155	22.568	.00000	35.45646	-.24260	-.25062	-.24494	-.23683	-.24299	-.21924
.155	23.492	.00000	35.37907	-.26015	-.26507	-.26191	-.25578	-.26070	-.23744
.155	24.498	.00000	35.54151	-.27720	-.28363	-.27901	-.27322	-.27778	-.25411
.155	25.549	.00000	35.50766	-.30035	-.30622	-.30147	-.29745	-.30090	-.27714
.155	26.911	.00000	35.48481	-.32336	-.32808	-.32150	-.33403	-.33691	-.31478
	GRADIENT	.00000	-.01163	.00364	.00410	.00535	.00459	.00463	.00584

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 427

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(PJF095) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 ICRB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 95/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.721	.00000	35.21262	-.06077	-.07961	-.08892	-.05668	-.07611	-.07342
.154	.171	.00000	35.12256	-.03648	-.05531	-.06185	-.03435	-.05364	-.04733
.155	2.400	.00000	35.22721	-.03263	-.04957	-.05191	-.02688	-.04604	-.03720
.155	4.213	.00000	35.31861	-.03171	-.04802	-.04898	-.02221	-.04097	-.03041
.155	6.307	.00000	35.34772	-.03115	-.04750	-.04808	-.02713	-.04524	-.03218
.155	8.351	.00000	35.39337	-.04012	-.05538	-.05179	-.03271	-.05047	-.03525
.154	10.361	.00000	35.05508	-.05415	-.06785	-.06316	-.04813	-.06539	-.04766
.154	12.383	.00000	35.02356	-.07498	-.08818	-.08251	-.06646	-.08114	-.06326
.154	14.420	.00000	34.99756	-.10216	-.11497	-.11144	-.09211	-.10554	-.08479
.154	16.467	.00000	35.04811	-.13061	-.14306	-.13763	-.12046	-.13128	-.11075
.155	18.484	.00000	35.21789	-.16351	-.17501	-.16872	-.15359	-.16250	-.14002
.155	20.597	.00000	35.43339	-.20302	-.21206	-.20749	-.19133	-.19969	-.17595
.155	22.621	.00000	35.45158	-.24513	-.25270	-.24820	-.23844	-.24433	-.22098
.155	24.647	.00000	35.55119	-.28352	-.28957	-.28560	-.28011	-.28512	-.26078
.155	26.919	.00000	35.51187	-.32212	-.32689	-.32178	-.32968	-.33312	-.31005
GRADIENT		.00000	.01623	.00415	.00455	.00579	.00484	.00503	.00618

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 428

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(PJF096) (08 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO.	0/ 0	RN/L =	.00	GRADIENT INTERVAL =	-5.00/	5.00			
MACH	ALPHAW	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.699	.00000	35.08176	-.05765	-.07632	-.08641	-.05564	-.07519	-.07195
.154	.182	.00000	35.03744	-.03536	-.05457	-.05985	-.03633	-.05612	-.04941
.154	2.188	.00000	35.05094	-.03243	-.04855	-.05190	-.02261	-.04213	-.03352
.154	4.290	.00000	34.98959	-.02797	-.04453	-.04562	-.02086	-.04020	-.02869
.154	6.324	.00000	35.00702	-.03516	-.05116	-.04995	-.02699	-.04630	-.03269
.154	8.414	.00000	35.07883	-.03952	-.05423	-.05185	-.03463	-.05239	-.03793
.154	10.312	.00000	35.13123	-.05563	-.06949	-.06572	-.04886	-.06631	-.04913
.154	12.524	.00000	35.11309	-.07947	-.09202	-.08763	-.07076	-.08555	-.06774
.154	14.433	.00000	35.15178	-.09766	-.11139	-.10628	-.09317	-.10719	-.08663
.154	16.398	.00000	35.16010	-.12865	-.14047	-.13600	-.11657	-.12859	-.10767
.155	18.459	.00000	35.28985	-.16045	-.17141	-.16643	-.15185	-.16107	-.13936
.155	20.630	.00000	35.34142	-.20470	-.21357	-.21035	-.19461	-.20254	-.17912
.155	22.544	.00000	35.58699	-.23903	-.24644	-.24324	-.23179	-.23909	-.21419
.155	24.675	.00000	35.60735	-.28200	-.28872	-.28521	-.27692	-.28221	-.25852
.156	26.945	.00000	35.72524	-.31979	-.32458	-.31860	-.33625	-.34013	-.31855
	GRADIENT	.00000	-.01148	.00414	.00454	.00581	.00522	.00525	.00542

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 429

(CA-8) K2V9.1.2TS5

F20TS401

(PJF097) (01 JUN 76)

REFERENCE DATA

SREF = 5507.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO.		97/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-1.993	.00000	35.32331	-.05419	-.07200	-.07998	-.04375	-.06307	-.05940	
.155	.158	.00000	35.31022	-.03822	-.05718	-.06080	-.03040	-.04977	-.04274	
.155	2.344	.00000	35.29193	-.03165	-.04784	-.04895	-.02021	-.03862	-.02996	
.155	4.365	.00000	35.24742	-.03066	-.04792	-.04724	-.01890	-.03744	-.02586	
.154	6.302	.00000	35.09182	-.03613	-.05235	-.05003	-.02365	-.04198	-.02815	
.154	8.358	.00000	35.07900	-.04703	-.06132	-.05805	-.02844	-.04657	-.03036	
.154	10.495	.00000	35.02186	-.06140	-.07457	-.06990	-.04428	-.06102	-.04228	
.154	12.336	.00000	35.03892	-.08248	-.09590	-.09023	-.05861	-.07410	-.05421	
.154	14.423	.00000	35.03965	-.10301	-.11498	-.11039	-.08760	-.10107	-.07703	
.154	16.654	.00000	35.14666	-.13747	-.14873	-.14503	-.11701	-.12738	-.10545	
.155	18.511	.00000	35.34916	-.17228	-.18220	-.17838	-.15215	-.16053	-.13673	
.155	20.503	.00000	35.50819	-.20436	-.21128	-.20717	-.18741	-.19532	-.17110	
.155	22.590	.00000	35.24829	-.24723	-.25354	-.24936	-.23424	-.24168	-.21591	
.154	24.515	.00000	34.96996	-.29008	-.29545	-.29355	-.27349	-.27886	-.25246	
.154	26.732	.00000	34.84987	-.32255	-.32575	-.32135	-.32509	-.32903	-.30482	
	GRADIENT	.00000	-.01151	.00365	.00386	.00520	.00400	.00416	.00535	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 430

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(PJF098) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 98/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	-2.700	.00000	35.01983	-.05789	-.07627	-.08401	-.05010	-.06968	-.06711	
.154	.119	.00000	35.01559	-.03830	-.05738	-.06044	-.02725	-.04685	-.04094	
.154	2.215	.00000	35.12932	-.03301	-.05001	-.05006	-.02045	-.04024	-.03173	
.154	4.287	.00000	35.09455	-.02980	-.04617	-.04538	-.01753	-.03571	-.02462	
.154	6.340	.00000	35.11662	-.03515	-.05071	-.04791	-.02568	-.04342	-.03033	
.154	8.479	.00000	35.16538	-.04394	-.05794	-.05341	-.03197	-.04938	-.03358	
.155	10.436	.00000	35.19938	-.05775	-.07137	-.06542	-.04576	-.06222	-.04458	
.155	12.500	.00000	35.20756	-.07841	-.09126	-.08459	-.06232	-.07634	-.05810	
.155	14.501	.00000	35.24846	-.10198	-.11421	-.10613	-.08647	-.10085	-.07921	
.155	16.399	.00000	35.28797	-.12948	-.14078	-.13517	-.11240	-.12269	-.10191	
.155	18.569	.00000	35.40042	-.16734	-.17738	-.17119	-.15148	-.16061	-.13731	
.155	20.588	.00000	35.53297	-.20218	-.21047	-.20504	-.18842	-.19619	-.17245	
.155	22.469	.00000	35.60072	-.24331	-.25038	-.24551	-.22940	-.23554	-.21072	
.155	24.605	.00000	35.50780	-.28574	-.29092	-.28740	-.27189	-.27673	-.25094	
.155	26.807	.00000	35.46352	-.32342	-.32710	-.32114	-.32448	-.32828	-.30434	
	GRADIENT	.00000	.01443	.00399	.00433	.00558	.00466	.00482	.00604	

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 431

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(PJF099) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO.		99/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.887	.00000	35.36279	-.05375	-.07258	-.08065	-.04941	-.06768	-.06479
.155	.167	.00000	35.31531	-.03539	-.05488	-.05763	-.02812	-.04714	-.03992
.155	2.368	.00000	35.34276	-.02888	-.04661	-.04656	-.01947	-.03863	-.02915
.155	4.474	.00000	35.32696	-.02481	-.04185	-.04064	-.01519	-.03334	-.02160
.155	6.399	.00000	35.31022	-.03352	-.04963	-.04691	-.01702	-.03505	-.02090
.155	8.466	.00000	35.29679	-.04051	-.05537	-.05072	-.02451	-.04193	-.02590
.155	10.478	.00000	35.36822	-.05367	-.06729	-.06169	-.03819	-.05405	-.03590
.154	12.433	.00000	35.09136	-.07500	-.08797	-.08172	-.05900	-.07338	-.05428
.154	14.486	.00000	35.10419	-.10321	-.11571	-.11063	-.08607	-.10023	-.07724
.155	16.484	.00000	35.34601	-.13217	-.14442	-.13857	-.11063	-.12072	-.09840
.155	18.520	.00000	35.57672	-.16522	-.17553	-.17055	-.14659	-.15443	-.13106
.155	20.609	.00000	35.52291	-.20206	-.21081	-.20572	-.18293	-.18991	-.16574
.155	22.543	.00000	35.40181	-.24412	-.25152	-.24754	-.22508	-.23095	-.20517
.155	24.575	.00000	35.35908	-.28100	-.28682	-.28288	-.26917	-.27381	-.24807
.154	26.877	.00000	35.12052	-.32259	-.32668	-.32096	-.32963	-.33307	-.31008
	GRADIENT	.00000	-.05367	.00394	.00421	.00550	.00456	.00469	.00588

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

(PJF100) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 100/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.823	.00000	35.23415	-.05595	-.07452	-.08260	-.05482	-.07344	-.07056
.155	.232	.00000	35.18262	-.04304	-.06181	-.06492	-.03038	-.04944	-.04249
.155	2.242	.00000	35.18864	-.03643	-.05241	-.05337	-.02150	-.04070	-.03160
.155	4.340	-.01000	35.32120	-.03390	-.05007	-.04882	-.01972	-.03812	-.02713
.155	6.312	-.01000	35.40385	-.03932	-.05446	-.05100	-.02277	-.04062	-.02747
.155	8.395	.00000	35.28348	-.04672	-.06157	-.05607	-.03292	-.05036	-.03520
.155	10.504	.00000	35.31950	-.06133	-.07495	-.06850	-.04667	-.06361	-.04623
.155	12.509	.00000	35.29936	-.08332	-.09533	-.08937	-.06325	-.07806	-.05913
.155	14.458	-.01000	35.32035	-.11094	-.12287	-.11731	-.08832	-.10288	-.08038
.155	16.461	.00000	35.45922	-.13763	-.14800	-.14272	-.11651	-.12691	-.10547
.155	18.657	.00000	35.44166	-.17212	-.18085	-.17516	-.15406	-.16381	-.14133
.155	20.663	-.01000	35.56304	-.21335	-.22077	-.21606	-.19194	-.20053	-.17624
.155	22.604	-.01000	35.57260	-.25015	-.25612	-.25270	-.23153	-.23867	-.21404
.155	24.442	-.01000	35.51973	-.29021	-.29474	-.29223	-.27121	-.27690	-.25154
.156	26.704	-.01000	35.74318	-.32557	-.32830	-.32432	-.32340	-.32834	-.30390
	GRADIENT	-.00120	.00981	.00316	.00357	.00486	.00502	.00503	.00517

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

(PJF101) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 101/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.749	.00000	35.20035	-.05937	-.07874	-.08640	-.05582	-.07460	-.07125
.155	.207	.00000	35.21082	-.03900	-.05901	-.06238	-.03397	-.05295	-.04629
.155	2.263	.00000	35.18491	-.03431	-.05127	-.05158	-.02129	-.04062	-.03145
.155	4.297	.00000	35.18821	-.03364	-.05080	-.04956	-.01900	-.03830	-.02589
.154	6.244	.00000	35.15041	-.03481	-.05041	-.04716	-.02132	-.03959	-.02529
.155	8.301	.00000	35.24295	-.04787	-.06234	-.05838	-.03320	-.05142	-.03516
.155	10.311	.00000	35.22309	-.06101	-.07474	-.06832	-.04549	-.06226	-.04393
.155	12.399	.00000	35.29596	-.07910	-.09190	-.08433	-.06301	-.07768	-.05961
.155	14.524	.00000	35.28769	-.10634	-.11842	-.11240	-.09022	-.10482	-.08240
.155	16.550	.00000	35.23108	-.13014	-.14061	-.13471	-.11765	-.12847	-.10684
.155	18.655	-.01000	35.29251	-.16624	-.17574	-.16932	-.15253	-.16176	-.13888
.155	20.563	.00000	35.38367	-.20783	-.21557	-.21148	-.18532	-.19399	-.16825
.155	22.487	.00000	35.42480	-.24649	-.25244	-.24877	-.22825	-.23592	-.20987
.155	24.509	-.01000	35.42611	-.28528	-.28983	-.28652	-.27169	-.27832	-.25197
.155	26.820	.00000	35.35146	-.32887	-.33165	-.32735	-.32586	-.33097	-.30583
	GRADIENT	.00000	-.00250	.00366	.00408	.00535	.00542	.00534	.00661

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1V9.1.2TS5H15.6.1F10TS402

(PJF102) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 102/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-1.956	.00000	35.12291	-.05523	-.07322	-.08242	-.05076	-.07022	-.06717
.154	.039	.00000	35.13963	-.04214	-.06192	-.06602	-.03319	-.05338	-.04708
.154	2.248	.00000	35.09236	-.03635	-.05237	-.05493	-.02050	-.03998	-.03191
.154	4.315	.00000	35.11751	-.03634	-.05208	-.05140	-.01931	-.03878	-.02758
.154	6.340	.00000	35.16885	-.03779	-.05357	-.05123	-.02537	-.04358	-.03050
.155	8.388	.00000	35.21117	-.04641	-.06103	-.05696	-.03325	-.05131	-.03605
.155	10.280	.00000	35.19577	-.05641	-.07023	-.06411	-.04509	-.06216	-.04521
.155	12.390	.00000	35.21028	-.07943	-.09148	-.08559	-.06255	-.07781	-.05990
.155	14.469	.00000	35.23896	-.10254	-.11426	-.10832	-.08698	-.10181	-.07978
.154	16.452	.00000	35.16388	-.13006	-.14069	-.13545	-.11315	-.12355	-.10280
.155	18.408	.00000	35.33734	-.16275	-.17251	-.16635	-.14889	-.15853	-.13621
.155	20.434	-.01000	35.36512	-.19949	-.20726	-.20212	-.18292	-.19140	-.16733
.155	22.553	-.01000	35.36864	-.24374	-.24990	-.24532	-.22796	-.23530	-.21020
.155	24.457	-.01000	35.30824	-.28637	-.29152	-.28652	-.26881	-.27488	-.24984
.155	26.981	-.01000	35.27733	-.33160	-.33418	-.33005	-.33200	-.33707	-.31319
	GRADIENT	.00000	-.00312	.00296	.00347	.00494	.00508	.00512	.00636

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF103) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 103/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-1.960	.00000	35.11459	-.05902	-.07668	-.08461	-.04646	-.06675	-.06350
.154	.122	.00000	35.13768	-.03781	-.05688	-.06098	-.03228	-.05215	-.04590
.154	2.246	.00000	35.09181	-.03832	-.05375	-.05610	-.02141	-.04153	-.03309
.154	4.243	.00000	35.04259	-.03458	-.04971	-.05012	-.01782	-.03694	-.02583
.154	6.256	.00000	35.04244	-.03711	-.05177	-.04989	-.02078	-.03981	-.02677
.154	8.399	.00000	35.12929	-.04137	-.05526	-.05130	-.02703	-.04542	-.02985
.154	10.322	.00000	35.14873	-.05884	-.07150	-.06653	-.04359	-.06155	-.04409
.154	12.347	.00000	35.12784	-.07565	-.08716	-.08116	-.06185	-.07785	-.06003
.154	14.401	.00000	35.07870	-.10273	-.11327	-.10661	-.08682	-.10239	-.08057
.154	16.574	.00000	35.01119	-.13564	-.14553	-.14066	-.11514	-.12646	-.10512
.155	18.548	.00000	35.19854	-.16501	-.17305	-.16789	-.14982	-.15973	-.13721
.155	20.466	.00000	35.25661	-.20117	-.20819	-.20384	-.18380	-.19225	-.16853
.155	22.443	-.01000	35.36262	-.24394	-.24880	-.24590	-.22416	-.23234	-.20650
.155	24.425	.00000	35.24285	-.28303	-.28684	-.28451	-.26641	-.27332	-.24764
.155	26.995	.00000	35.20071	-.33167	-.33381	-.32939	-.33255	-.33805	-.31402
	GRADIENT	.00000	-.01259	.00352	.00406	.00523	.00468	.00484	.00608

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF104) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 104/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.937	.00000	35.04441	-.06544	-.08378	-.09218	-.05848	-.07823	-.07658
.154	.106	.00000	35.01987	-.04083	-.06082	-.06370	-.03249	-.05189	-.04581
.154	2.209	.00000	34.99517	-.03571	-.05304	-.05324	-.02155	-.04105	-.03286
.154	4.379	.00000	35.08181	-.03399	-.05055	-.04913	-.02005	-.03675	-.02761
.154	6.358	.00000	35.09238	-.03691	-.05260	-.04927	-.02254	-.04098	-.02736
.154	8.377	.00000	35.08799	-.04724	-.06180	-.05750	-.03030	-.04828	-.03294
.155	10.315	.00000	35.21411	-.05960	-.07387	-.06803	-.04236	-.05950	-.04253
.155	12.578	.00000	35.36492	-.08154	-.09398	-.08835	-.05970	-.07475	-.05505
.155	14.587	.00000	35.37564	-.10295	-.11559	-.10542	-.08476	-.09971	-.07714
.155	16.654	.00000	35.60033	-.13533	-.14688	-.14037	-.11774	-.12951	-.10754
.156	18.591	.00000	35.74698	-.16439	-.17439	-.16449	-.14556	-.15526	-.13269
.155	20.483	.00000	35.50490	-.20371	-.21208	-.20660	-.18598	-.19362	-.17009
.155	22.530	.00000	35.46312	-.24700	-.25378	-.24928	-.22736	-.23406	-.20925
.155	24.536	.00000	35.42061	-.28976	-.29469	-.29183	-.27112	-.27707	-.25177
.155	26.860	.00000	35.30388	-.33077	-.33421	-.32928	-.32752	-.33291	-.30888
	GRADIENT	.00000	.00297	.00430	.00460	.00596	.00540	.00552	.00680

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5F30G5.3.5TS401

(PJF105) (08 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 ICS = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO.		0/ 0	RN/L =	.00	GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.947	.00000	35.18517	-.06160	-.07993	-.08938	-.05608	-.07611	-.07386	
.155	2.238	.00000	35.20700	-.03571	-.05259	-.05380	-.02125	-.04059	-.03206	
.154	4.305	.00000	35.12450	-.03334	-.05000	-.04960	-.01817	-.03730	-.02538	
.154	6.212	.00000	35.16327	-.03410	-.04969	-.04721	-.02152	-.04011	-.02614	
.155	8.273	.00000	35.20547	-.04295	-.05785	-.05396	-.02464	-.04252	-.02635	
.155	10.302	.00000	35.23808	-.05895	-.07241	-.06697	-.04183	-.05899	-.04110	
.155	12.311	.00000	35.22768	-.07837	-.09120	-.08454	-.06047	-.07630	-.05768	
.155	14.314	.00000	35.17902	-.09813	-.10969	-.10441	-.08242	-.09791	-.07576	
.155	16.425	.00000	35.28237	-.12855	-.13992	-.13427	-.11201	-.12288	-.10216	
.155	18.442	.00000	35.38187	-.16631	-.17637	-.17099	-.14596	-.15617	-.13239	
.155	20.552	.00000	35.50036	-.20468	-.21253	-.20831	-.18596	-.19440	-.16988	
.155	22.551	.00000	35.35332	-.24697	-.25345	-.25006	-.22652	-.23442	-.20912	
.155	24.507	.00000	35.24693	-.28197	-.28729	-.28425	-.26596	-.27237	-.24699	
.155	26.885	.00000	35.19850	-.32878	-.33223	-.32810	-.32918	-.33460	-.31075	
	GRADIENT	.00000	-.00594	.00411	.00435	.00575	.00552	.00564	.00695	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F40TS402

(PJF106) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 106/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.819	.00000	35.22616	-.06193	-.08095	-.08927	-.06165	-.08102	-.07847
.155	.215	.00000	35.25398	-.04007	-.06005	-.06269	-.03003	-.04940	-.04303
.155	2.365	.00000	35.22898	-.03656	-.05323	-.05423	-.02235	-.04141	-.03251
.155	4.142	.00000	35.19965	-.03352	-.05008	-.04694	-.01829	-.03697	-.02596
.155	6.196	.00000	35.22826	-.03924	-.05505	-.05183	-.02097	-.03940	-.02579
.155	8.438	.00000	35.22180	-.04364	-.05781	-.05347	-.03097	-.04944	-.03330
.155	10.409	.00000	35.17536	-.05581	-.06984	-.06276	-.04015	-.05725	-.03991
.155	12.414	.00000	35.19858	-.07724	-.08970	-.08268	-.05806	-.07382	-.05459
.155	14.354	.00000	35.22165	-.10314	-.11434	-.10653	-.08387	-.09878	-.07684
.155	16.403	.00000	35.20795	-.12880	-.14027	-.13419	-.11140	-.12269	-.10119
.155	18.534	.00000	35.46579	-.16719	-.17728	-.17141	-.14737	-.15640	-.13294
.155	20.503	.00000	35.50714	-.20137	-.20954	-.20390	-.18121	-.18908	-.16427
.155	22.467	.00000	35.53225	-.24304	-.25026	-.24570	-.22389	-.23075	-.20537
.155	24.528	.00000	35.40614	-.28582	-.29070	-.28679	-.26850	-.27534	-.24339
.155	26.907	.00000	35.58321	-.33060	-.33365	-.32969	-.32737	-.33235	-.30727
	GRADIENT	.00000	-.00376	.00403	.00447	.00580	.00623	.00633	.00754

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF107) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 107/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.824	.00000	35.26600	-.06266	-.07924	-.08878	-.06087	-.08100	-.07839
.155	.326	.00000	35.32023	-.04166	-.05898	-.06225	-.03264	-.05329	-.04655
.155	2.369	.00000	35.20688	-.04004	-.05442	-.05612	-.02397	-.04461	-.03480
.155	4.318	.00000	35.17059	-.03527	-.04923	-.04875	-.01743	-.03762	-.02575
.154	6.335	.00000	35.16607	-.04039	-.05335	-.05186	-.01879	-.03825	-.02457
.154	8.485	.00000	35.06433	-.04656	-.05955	-.05568	-.03033	-.04909	-.03382
.154	10.276	.00000	35.11101	-.05857	-.07000	-.06514	-.03982	-.05800	-.03951
.154	12.331	.00000	35.04055	-.07715	-.08837	-.08270	-.05845	-.07451	-.05521
.154	14.361	.00000	35.05420	-.10326	-.11408	-.10917	-.08214	-.09790	-.07491
.154	16.501	.00000	35.11916	-.13470	-.14435	-.13928	-.11450	-.12551	-.10387
.155	18.520	.00000	35.39640	-.17101	-.17904	-.17434	-.14547	-.15534	-.13124
.155	20.556	.00000	35.46509	-.20440	-.21051	-.20615	-.18350	-.19154	-.16764
.155	22.581	.00000	35.46366	-.24708	-.25171	-.24858	-.22711	-.23459	-.20933
.155	24.487	.00000	35.45339	-.28685	-.29075	-.28779	-.26901	-.27558	-.25046
.155	26.894	.00000	35.39314	-.32528	-.32669	-.32150	-.32953	-.33503	-.31162
	GRADIENT	.00000	-.01536	.00373	.00416	.00554	.00610	.00608	.00740

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF108) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 108/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.881	.00000	35.31316	-.06627	-.08412	-.09227	-.06165	-.07919	-.07728
.154	.168	.00000	35.05833	-.04553	-.06464	-.06712	-.03811	-.05531	-.04891
.155	2.222	.00000	35.30244	-.03674	-.05285	-.05279	-.02880	-.04600	-.03698
.155	4.268	.00000	35.21971	-.03382	-.04959	-.04844	-.02643	-.04327	-.03213
.154	6.105	.00000	35.09347	-.03690	-.05260	-.04926	-.02755	-.04315	-.03011
.155	6.333	.00000	35.17221	-.03921	-.05472	-.05146	-.02515	-.04133	-.02809
.155	8.344	.00000	35.19866	-.04854	-.06336	-.05792	-.03555	-.05103	-.03543
.154	10.353	.00000	35.07050	-.05831	-.07219	-.06539	-.04515	-.05970	-.04237
.154	12.357	.00000	35.10379	-.08089	-.09299	-.08535	-.06399	-.07614	-.05779
.154	14.409	.00000	35.09177	-.10482	-.11738	-.11135	-.08909	-.10081	-.07884
.155	16.413	.00000	35.42481	-.13166	-.14361	-.13763	-.11530	-.12335	-.10262
.155	18.465	.00000	35.33529	-.16518	-.17598	-.16953	-.14917	-.15556	-.13318
.155	20.542	.00000	35.46614	-.20096	-.21051	-.20354	-.18666	-.19200	-.16810
.155	22.495	.00000	35.38018	-.24278	-.25077	-.24479	-.23201	-.23555	-.21160
.156	24.526	.00000	35.89056	-.28154	-.28831	-.28306	-.27341	-.27590	-.25206
.156	26.862	.00000	35.77663	-.32947	-.33458	-.32925	-.33061	-.33135	-.30740
	GRADIENT	.00000	-.00453	.00464	.00500	.00633	.00504	.00513	.00643

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(CA-8) K3V9.1.2TS5H15.6.1F10TS40205.3.5

(PJF109) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 109/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.923	.00000	35.26063	-.05669	-.07675	-.07906	-.05070	-.07709	-.07168
.155	.167	.00000	35.19385	-.03192	-.05905	-.05484	-.02992	-.05622	-.04678
.155	2.179	.00000	35.32995	-.03233	-.04869	-.04457	-.01655	-.04427	-.03219
.154	4.198	.00000	35.03881	-.03307	-.04835	-.04360	-.01465	-.04114	-.02708
.154	6.284	.00000	35.08101	-.03439	-.04872	-.04253	-.01914	-.04464	-.02918
.154	8.310	.00000	35.04821	-.04666	-.05867	-.05307	-.02808	-.05299	-.03588
.154	10.361	.00000	35.08240	-.05506	-.06618	-.05977	-.03875	-.06200	-.04307
.154	12.374	.00000	35.02242	-.08082	-.09210	-.08555	-.05485	-.07471	-.05571
.154	14.461	.00000	35.06612	-.09984	-.11105	-.10540	-.07733	-.09578	-.07504
.155	16.460	.00000	35.28097	-.13373	-.14405	-.13861	-.11021	-.12458	-.10419
.155	18.518	.00000	35.44402	-.16564	-.17536	-.16976	-.14860	-.16118	-.14032
.156	20.504	.00000	35.67440	-.20280	-.21162	-.20635	-.18336	-.19364	-.17162
.155	22.536	.00000	35.52560	-.24729	-.25463	-.25028	-.22643	-.23546	-.21231
.155	24.507	.00000	35.59760	-.28480	-.29151	-.28720	-.27026	-.27740	-.25472
.156	26.901	.00000	35.61151	-.32980	-.33563	-.32965	-.32933	-.33544	-.31384
	GRADIENT	.00000	-.02143	.00343	.00420	.00516	.00531	.00523	.00546

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS

(PJF110) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 110/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.804	.00000	35.21528	-.06100	-.07938	-.08876	-.05873	-.07758	-.07482
.155	.122	.00000	35.34766	-.04563	-.06507	-.06882	-.03327	-.05255	-.04620
.154	2.207	.00000	35.14995	-.03544	-.05248	-.05398	-.02065	-.03982	-.03062
.154	4.279	.00000	35.07579	-.03187	-.04850	-.04821	-.01892	-.03713	-.02588
.155	6.337	.00000	35.21173	-.03327	-.04983	-.04598	-.02168	-.03981	-.02650
.154	8.341	.00000	35.05913	-.04206	-.05796	-.05320	-.02966	-.04654	-.03131
.154	10.374	.00000	35.00980	-.05966	-.07396	-.06362	-.04049	-.05617	-.03858
.154	12.355	.00000	35.14095	-.07176	-.08576	-.07849	-.05684	-.07118	-.05264
.155	14.391	.00000	35.30121	-.09931	-.11336	-.10704	-.08295	-.09631	-.07504
.155	16.502	.00000	35.32797	-.13105	-.14520	-.13926	-.11094	-.12041	-.09883
.155	18.533	.00000	35.36859	-.16096	-.17306	-.16690	-.14629	-.15386	-.13095
.155	20.496	.00000	35.41063	-.19891	-.20973	-.20309	-.18315	-.18947	-.16486
.155	22.508	.00000	35.42341	-.24031	-.24907	-.24349	-.22672	-.23111	-.20684
.156	24.499	.00000	35.79934	-.28084	-.28841	-.28357	-.27082	-.27412	-.24900
.156	26.877	.00000	35.83813	-.33032	-.33699	-.33080	-.33377	-.33509	-.31134
	GRADIENT	.00000	-.02391	.00424	.00454	.00591	.00580	.00588	.00709

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF111) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORR = 8.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 111/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.829	.00000	35.31532	-.06039	-.08001	-.08687	-.05486	-.07364	-.07103	
.155	.107	.00000	35.27545	-.03879	-.05909	-.06102	-.03408	-.05383	-.04644	
.154	2.170	.00000	35.14491	-.03489	-.05272	-.05228	-.02316	-.04192	-.03360	
.154	4.254	.00000	35.11943	-.03263	-.05002	-.04775	-.01864	-.03622	-.02546	
.154	6.241	.00000	35.12946	-.03278	-.04931	-.04595	-.02295	-.04031	-.02718	
.154	8.360	.00000	35.15286	-.04079	-.05729	-.05188	-.02860	-.04562	-.03006	
.154	10.425	.00000	35.14061	-.05616	-.07132	-.06431	-.04251	-.05887	-.04065	
.154	12.368	.00000	35.09976	-.07411	-.08820	-.08085	-.05878	-.07252	-.05458	
.154	14.387	.00000	35.11692	-.10017	-.11431	-.10903	-.08333	-.09555	-.07423	
.155	16.468	.00000	35.25867	-.12429	-.13778	-.13091	-.10762	-.11635	-.09558	
.155	18.458	.00000	35.38939	-.16188	-.17364	-.16704	-.14689	-.15401	-.13150	
.155	20.474	.00000	35.36919	-.20186	-.21276	-.20681	-.18389	-.19048	-.16621	
.155	22.511	.00000	35.52336	-.24230	-.25173	-.24616	-.22806	-.23281	-.20735	
.155	24.518	.00000	35.50322	-.28427	-.29237	-.28792	-.27110	-.27465	-.24910	
.155	26.875	.00000	35.98653	-.32499	-.33284	-.32585	-.32964	-.33172	-.30762	
.156		.00000	-.03035	.00389	.00426	.00555	.00522	.00540	.00650	
	GRADIENT	.00000								

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF112) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 112/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.797	.00000	34.95257	-.05117	-.07323	-.07982	-.05848	-.07481	-.07228
.155	.192	.00000	35.18020	-.03675	-.05953	-.05950	-.03266	-.04944	-.04327
.154	2.163	.00000	35.14741	-.03426	-.05386	-.05205	-.02337	-.04013	-.03140
.155	4.228	.00000	35.22827	-.03083	-.05117	-.04665	-.02121	-.03747	-.02641
.154	6.318	.00000	34.98471	-.03335	-.05306	-.04703	-.02430	-.03919	-.02578
.154	8.357	.00000	35.02419	-.03775	-.05643	-.04899	-.03041	-.04528	-.03016
.154	10.410	.00000	35.05589	-.05406	-.07269	-.06347	-.04200	-.05555	-.03854
.154	12.462	.00000	34.96861	-.07198	-.08929	-.07962	-.06345	-.07601	-.05752
.154	14.456	.00000	35.10292	-.09847	-.11551	-.10676	-.08724	-.09799	-.07646
.155	16.421	.00000	35.21136	-.12658	-.14302	-.13395	-.11550	-.12259	-.10173
.155	18.460	.00000	35.48000	-.15845	-.17336	-.16436	-.14710	-.15244	-.13009
.155	20.478	.00000	35.51077	-.19744	-.21113	-.20274	-.18640	-.19052	-.16657
.155	22.490	.00000	35.56715	-.23782	-.25093	-.24324	-.22907	-.23190	-.20795
.156	24.556	.00000	35.67719	-.28611	-.29738	-.29151	-.27477	-.27563	-.24991
.156	26.897	.00000	35.77701	-.32483	-.33513	-.32696	-.33329	-.33287	-.30932
	GRADIENT	.00000	.03615	.00285	.00319	.00474	.00542	.00543	.00665

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(PJF113) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 113/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.817	.00000	35.09250	-.05684	-.08134	-.08521	-.06154	-.07703	-.07428
.155	.184	.00000	35.30440	-.03861	-.06359	-.06236	-.03131	-.04639	-.04001
.155	2.203	.00000	35.28362	-.03275	-.05540	-.05159	-.02770	-.04241	-.03379
.154	4.292	.00000	35.06254	-.02682	-.04945	-.04403	-.02304	-.03699	-.02636
.154	6.344	.00000	35.13144	-.03238	-.05435	-.04672	-.02749	-.04062	-.02796
.155	8.340	.00000	35.20376	-.03776	-.05947	-.05041	-.03215	-.04477	-.03018
.154	10.314	.00000	35.15137	-.05236	-.07381	-.06212	-.04590	-.05800	-.04079
.155	12.408	.00000	35.28317	-.07331	-.09265	-.08224	-.06240	-.07317	-.05423
.155	14.467	.00000	35.27329	-.09631	-.11554	-.10528	-.08465	-.09371	-.07165
.155	16.451	.00000	35.39151	-.12464	-.14333	-.13308	-.11456	-.11980	-.09951
.155	18.450	.00000	35.40694	-.15883	-.17651	-.16572	-.14523	-.14878	-.12576
.155	20.506	.00000	35.45996	-.20004	-.21694	-.20765	-.18954	-.19128	-.16680
.155	22.510	.00000	35.50458	-.24180	-.25642	-.24760	-.22956	-.23080	-.20490
.156	24.502	.00000	35.66139	-.28374	-.29754	-.28997	-.27494	-.27500	-.24948
.156	26.853	.00000	35.90674	-.32576	-.33813	-.32957	-.33357	-.33248	-.30837
	GRADIENT	.00000	-.00104	.00420	.00452	.00584	.00532	.00553	.00664

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 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5

F10TS402

(PJF114) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 114/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.899	.00000	35.27108	-.06163	-.08036	-.08776	-.05836	-.07736	-.07463
.155	.200	.00000	35.26986	-.04037	-.06047	-.06219	-.03227	-.05199	-.04528
.155	2.182	.00000	35.19013	-.03580	-.05308	-.05275	-.02309	-.04262	-.03372
.155	4.240	.00000	35.18762	-.03124	-.04782	-.04594	-.01877	-.03745	-.02566
.155	6.263	.00000	35.14150	-.03545	-.05158	-.04779	-.02338	-.04107	-.02710
.154	305	.00000	35.12704	-.04247	-.05826	-.05278	-.02909	-.04705	-.03173
.155	10.304	.00000	35.13136	-.05736	-.07134	-.06310	-.04344	-.05982	-.04223
.155	12.360	.00000	35.13168	-.07642	-.08970	-.08309	-.05710	-.07263	-.05335
.155	14.397	.00000	35.23666	-.10159	-.11521	-.10995	-.08340	-.09736	-.07493
.155	16.424	.00000	35.37162	-.12722	-.13954	-.13331	-.11033	-.12025	-.09973
.155	18.464	.00000	35.49883	-.16586	-.17802	-.17240	-.14768	-.15625	-.13320
.155	20.512	.00000	35.48530	-.20389	-.21402	-.20333	-.18475	-.19204	-.16754
.155	22.487	.00000	35.39501	-.24417	-.25202	-.24730	-.22738	-.23376	-.20833
.156	24.587	.00000	35.67258	-.28724	-.29470	-.29033	-.27390	-.27916	-.25335
.155	26.873	.00000	35.95899	-.32910	-.33554	-.32912	-.32919	-.33264	-.30862
	GRADIENT	.00000	-.01359	.00423	.00459	.00590	.00563	.00566	.00692

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 447

(CA-8) K2V9.1.2T55F30G5.3.5T5401

(PJF115) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 115/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.922	.00000	35.10768	-.06203	-.08106	-.08835	-.06127	-.07908	-.07629	
.154	.164	.00000	35.09215	-.04234	-.06156	-.06471	-.03463	-.05284	-.04690	
.155	2.176	.00000	35.14822	-.03678	-.05317	-.05336	-.02496	-.04299	-.03508	
.155	4.215	.00000	35.31275	-.03266	-.04871	-.04721	-.01881	-.03674	-.02550	
.155	6.306	.00000	35.12882	-.03680	-.05228	-.04874	-.02361	-.04085	-.02766	
.155	8.311	.00000	35.23125	-.04725	-.06213	-.05739	-.03162	-.04780	-.03220	
.155	10.317	.00000	35.25316	-.05917	-.07328	-.06639	-.04451	-.05926	-.04210	
.155	12.365	.00000	35.20767	-.07354	-.08646	-.07941	-.05983	-.07411	-.05560	
.155	14.403	.00000	35.23126	-.10296	-.11520	-.10911	-.08291	-.09504	-.07276	
.155	16.429	.00000	35.21023	-.13313	-.14458	-.13943	-.11613	-.12522	-.10432	
.155	18.503	.00000	35.51307	-.16286	-.17359	-.16572	-.14552	-.15272	-.13021	
.155	20.496	.00000	35.21026	-.20001	-.20939	-.20311	-.18226	-.18757	-.16382	
.155	22.456	.00000	35.53061	-.24010	-.24798	-.24202	-.22746	-.23212	-.20749	
.155	24.539	.00000	35.25659	-.28465	-.29152	-.28764	-.26744	-.27051	-.24458	
.156	26.834	.00000	35.92208	-.32498	-.32958	-.32316	-.32993	-.33130	-.30833	
	GRADIENT	.00000	.02669	.00412	.00460	.00586	.00600	.00599	.00714	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(PJF116) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 116/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.161	.00000	35.49748	-.03924	-.06016	-.06121	-.03074	-.04923	-.04292
.155	2.223	.00000	35.44845	-.03491	-.05276	-.05162	-.02021	-.03895	-.03008
.155	4.242	.00000	35.14855	-.03143	-.04927	-.04515	-.02109	-.03904	-.02780
.155	6.330	.00000	35.13087	-.03428	-.05159	-.04364	-.02293	-.04046	-.02750
.155	8.337	.00000	35.14725	-.04230	-.05867	-.05220	-.02632	-.04299	-.02725
.155	10.415	.00000	35.15060	-.05852	-.07334	-.06383	-.03951	-.05490	-.03751
.155	12.379	.00000	35.19168	-.07395	-.08812	-.07345	-.05512	-.06913	-.05014
.155	14.442	.00000	35.15855	-.10385	-.11711	-.11006	-.08158	-.09426	-.07243
.155	16.487	.00000	35.24551	-.13182	-.14535	-.13329	-.11012	-.11955	-.09796
.155	18.484	.00000	35.32405	-.15810	-.16964	-.16180	-.14740	-.15483	-.13275
.155	20.485	.00000	35.35546	-.20305	-.21349	-.20580	-.18369	-.19046	-.16659
.155	22.474	.00000	35.34390	-.23896	-.24807	-.24220	-.22389	-.22895	-.20426
.156	24.595	.00000	35.87750	-.28488	-.29267	-.28363	-.26527	-.26971	-.24348
.156	26.803	.00000	35.90328	-.33013	-.33722	-.33208	-.32198	-.32492	-.29927
	GRADIENT	.00000	-.08528	.00191	.00267	.00369	.00237	.00251	.00371

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2T55H15.6.1F10TS401

(PJF117) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 117/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.814	.00000	35.20676	-.05E27	-.07849	-.08530	-.05421	-.07235	-.07014
.155	.173	.00000	35.21382	-.03791	-.05922	-.06137	-.03282	-.05070	-.04441
.155	2.204	.00000	35.12202	-.03791	-.05574	-.05565	-.02386	-.04249	-.03346
.155	4.206	.00000	35.15056	-.03395	-.05315	-.04940	-.01858	-.03633	-.02560
.155	6.253	.00000	35.12293	-.03271	-.05023	-.04627	-.02157	-.03830	-.02515
.155	8.268	.00000	35.17137	-.04055	-.05723	-.05123	-.03173	-.04821	-.03295
.155	10.358	.00000	35.17727	-.05376	-.06936	-.06229	-.04240	-.05802	-.04062
.155	12.436	.00000	35.19092	-.07797	-.09337	-.08494	-.05987	-.07337	-.05453
.155	14.435	.00000	35.09673	-.10087	-.11619	-.10371	-.08335	-.09560	-.07373
.155	16.484	.00000	35.12386	-.12941	-.14431	-.13577	-.10990	-.11929	-.09821
.155	18.478	.00000	35.34756	-.16326	-.17633	-.16354	-.14635	-.15364	-.13127
.155	20.510	.00000	35.43172	-.19944	-.21024	-.20319	-.18637	-.19248	-.16850
.155	22.484	.00000	35.35120	-.23680	-.24663	-.24006	-.22608	-.23105	-.20640
.156	24.508	.00000	35.77875	-.28651	-.29509	-.29027	-.27118	-.27450	-.24922
.156	26.823	.00000	35.93466	-.32993	-.33734	-.33185	-.32831	-.33037	-.30561
	GRADIENT	.00000	-.01098	.00332	.00358	.00505	.00513	.00514	.00638

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 450

(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(PJF118) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 118/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.799	.00000	35.08389	-.06136	-.08549	-.09222	-.05882	-.07736	-.07509
.155	.130	.00000	35.15141	-.03803	-.06004	-.06118	-.03315	-.05119	-.04495
.155	2.167	.00000	35.18600	-.03400	-.05331	-.05291	-.02240	-.04054	-.03192
.155	4.271	.00000	35.19491	-.02936	-.04894	-.04562	-.01988	-.03736	-.02612
.155	6.310	.00000	35.07518	-.03156	-.05055	-.04595	-.02232	-.03891	-.02557
.154	8.278	.00000	34.98242	-.03842	-.05719	-.05084	-.03022	-.04619	-.03082
.154	10.315	.00000	35.01882	-.05507	-.07253	-.06186	-.04089	-.05630	-.03874
.155	12.352	.00000	35.11025	-.07159	-.08790	-.08327	-.05575	-.06977	-.05088
.155	14.395	.00000	35.26391	-.09895	-.11438	-.10746	-.08258	-.09410	-.07270
.155	16.408	.00000	35.11892	-.12777	-.14340	-.13355	-.11218	-.12101	-.10011
.155	18.467	.00000	35.33612	-.15955	-.17342	-.16666	-.14436	-.15161	-.12835
.155	20.474	.00000	35.40439	-.19607	-.20949	-.20181	-.18380	-.19017	-.16668
.155	22.511	.00000	35.37558	-.23423	-.24574	-.23304	-.22610	-.23110	-.20697
.156	24.549	.00000	35.67267	-.27973	-.28901	-.28443	-.26824	-.27251	-.24741
.156	26.840	.00000	35.83598	-.32665	-.33538	-.32943	-.32770	-.32985	-.30499
	GRADIENT	.00000	.01606	.00480	.00515	.00654	.00563	.00576	.00703

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2T55H15.6.1F10TS401

(PJF119) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 119/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.799	.00000	35.20655	-.06023	-.08260	-.08355	-.05557	-.07358	-.07132
.154	.160	.00000	35.05895	-.03858	-.06164	-.06377	-.02967	-.04763	-.04121
.155	2.212	.00000	35.17864	-.03306	-.05402	-.05431	-.02309	-.03893	-.03020
.155	4.257	.00000	35.15996	-.03016	-.05016	-.04799	-.01880	-.03640	-.02497
.154	6.305	.00000	35.05556	-.03228	-.05174	-.04568	-.02304	-.03963	-.02629
.155	8.325	.00000	35.08392	-.03826	-.05743	-.05137	-.03005	-.04696	-.03067
.155	10.370	.00000	35.10015	-.05070	-.06911	-.06167	-.03983	-.05461	-.03677
.154	12.357	.00000	35.04092	-.07582	-.09248	-.08526	-.06071	-.07388	-.05545
.155	14.424	.00000	35.19401	-.09676	-.11420	-.10730	-.08553	-.09786	-.07596
.155	16.441	.00000	35.21940	-.13034	-.14728	-.13355	-.11383	-.12272	-.10116
.155	18.563	.00000	35.36428	-.16366	-.17874	-.17107	-.15101	-.15810	-.13557
.155	20.498	.00000	35.35961	-.19544	-.20889	-.20200	-.18228	-.18797	-.16408
.155	22.399	.00000	35.36069	-.23760	-.24906	-.24353	-.22667	-.23090	-.20604
.156	24.446	.00000	35.73721	-.27746	-.28891	-.28368	-.26727	-.27054	-.24519
.156	26.841	.00000	35.82497	-.32342	-.33191	-.32175	-.33273	-.33512	-.31138
	GRADIENT	.00000	-.00261	.00426	.00464	.00591	.00520	.00535	.00663

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(PJF120) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 120/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.785	.00000	35.10984	-.06423	-.08221	-.08897	-.05649	-.07528	-.07260
.154	.146	.00000	34.93238	-.03734	-.05641	-.05803	-.03218	-.05032	-.04394
.155	2.091	.00000	35.18724	-.03233	-.05423	-.05445	-.02240	-.04147	-.03231
.155	4.206	.00000	35.27518	-.03206	-.04741	-.04511	-.01886	-.03710	-.02568
.155	6.205	.00000	35.25126	-.03412	-.04928	-.04522	-.02251	-.03975	-.02617
.155	8.276	.00000	35.26864	-.03952	-.05381	-.04743	-.03154	-.04882	-.03350
.155	10.325	.00000	35.32738	-.05687	-.07011	-.06330	-.04457	-.06058	-.04257
.155	12.449	.00000	35.30918	-.07728	-.08910	-.08185	-.06702	-.08056	-.06286
.155	14.337	.00000	35.25928	-.09928	-.11119	-.10430	-.08665	-.09981	-.07849
.155	16.405	.00000	35.28102	-.13045	-.14195	-.13535	-.11536	-.12556	-.10482
.155	18.435	.00000	35.22928	-.16764	-.17742	-.17120	-.15098	-.15942	-.13670
.155	20.438	.00000	35.37708	-.20421	-.21170	-.20712	-.18552	-.19347	-.16930
.155	22.562	.00000	35.39906	-.24261	-.24850	-.24456	-.22613	-.23239	-.20754
.155	24.483	.00000	35.46277	-.27682	-.28287	-.27824	-.26883	-.27394	-.24940
.156	26.903	.00000	35.64641	-.33076	-.33386	-.32823	-.33023	-.33340	-.30899
	GRADIENT	.00000	.02912	.00437	.00482	.00508	.00548	.00552	.00579

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS6H15.6.1F10TS401

(PJF121) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 121/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHA/W	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.912	.00000	35.23922	-.06121	-.07977	-.08545	-.05549	-.07412	-.07149
.155	.221	.00000	35.21430	-.04223	-.06105	-.06176	-.03327	-.05193	-.04441
.155	2.225	.00000	35.21043	-.03508	-.05144	-.05008	-.02101	-.03974	-.03065
.155	4.235	.00000	35.26704	-.03120	-.04766	-.04350	-.01956	-.03811	-.02678
.155	6.219	.00000	35.31032	-.03352	-.04872	-.04383	-.02380	-.04121	-.02792
.155	8.396	.00000	35.11816	-.04603	-.05965	-.05318	-.03047	-.04737	-.03174
.155	10.391	.00000	35.15959	-.05772	-.07057	-.06311	-.04132	-.05767	-.03946
.155	12.380	.00000	35.32758	-.08029	-.09249	-.08105	-.06226	-.07629	-.05768
.154	14.425	.00000	34.85985	-.10371	-.11506	-.10739	-.08666	-.10045	-.07799
.155	16.485	.00000	35.21478	-.13758	-.14824	-.14050	-.11886	-.12861	-.10680
.155	18.549	.00000	35.43233	-.16851	-.17815	-.17005	-.15318	-.16139	-.13850
.156	20.504	.00000	35.74330	-.20963	-.21725	-.21073	-.18943	-.19667	-.17153
.157	22.522	.00000	35.93072	-.23929	-.24660	-.23949	-.22889	-.23483	-.21042
.156	24.449	.00000	35.85747	-.28396	-.28835	-.28279	-.27167	-.27669	-.25099
.156	26.791	.00000	35.89301	-.32566	-.32836	-.32163	-.33054	-.33426	-.31094
GRADIENT		.00000	.00264	.00423	.00458	.00593	.00522	.00522	.00642

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS6

F0TS401

(PJF122) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 122/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.951	.00000	35.41381	-.06352	-.08356	-.08352	-.06067	-.08007	-.07770
.155	.229	.00000	35.14612	-.04253	-.06211	-.06445	-.03838	-.05715	-.05099
.155	2.263	.00000	35.23155	-.03508	-.05574	-.05554	-.02302	-.04210	-.03384
.155	4.161	.00000	35.18360	-.03660	-.05264	-.05121	-.02037	-.03861	-.02824
.155	6.232	.00000	35.00924	-.03721	-.05347	-.04386	-.02427	-.04304	-.03001
.155	8.250	.00000	35.31279	-.04261	-.05785	-.05123	-.03196	-.04937	-.03424
.155	10.200	.00000	35.10627	-.05613	-.06934	-.06197	-.04098	-.05809	-.04100
.155	12.381	.00000	35.18370	-.07899	-.09047	-.08389	-.06427	-.07874	-.06142
.155	14.387	.00000	35.42784	-.09778	-.10886	-.10128	-.08040	-.09443	-.07244
.156	16.393	.00000	35.48706	-.12507	-.13483	-.12352	-.10567	-.11751	-.09652
.156	18.357	.00000	35.54621	-.15599	-.16501	-.15320	-.13667	-.14624	-.12385
.156	20.385	.00000	35.82140	-.18621	-.19268	-.18331	-.16786	-.17795	-.15490
.157	22.418	.00000	36.10103	-.22591	-.23106	-.22754	-.20476	-.21126	-.18735
.157	24.492	.00000	35.95502	-.25724	-.26063	-.25311	-.24916	-.25476	-.23181
.158	26.724	.00000	36.70897	-.30491	-.30672	-.30169	-.30146	-.30612	-.28263
GRADIENT		.00000	-.02889	.00380	.00440	.00547	.00595	.00608	.00721

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS6H15.6.1F0TS401

(PJF123) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 123/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.774	.00000	35.08788	-.06294	-.08270	-.08925	-.05923	-.07873	-.07563
.155	.231	.00000	35.06495	-.03985	-.06047	-.06189	-.03671	-.05591	-.04914
.155	2.158	.00000	35.08280	-.03754	-.05514	-.05495	-.02460	-.04371	-.03467
.154	4.339	.00000	34.90437	-.03420	-.05092	-.04832	-.02076	-.03977	-.02820
.155	6.157	.00000	35.32663	-.03523	-.05120	-.04704	-.02265	-.04096	-.02768
.155	8.267	.00000	35.09836	-.04699	-.06200	-.05648	-.03324	-.05081	-.03466
.155	10.268	.00000	35.18554	-.05878	-.07280	-.06569	-.04128	-.05840	-.04092
.155	12.295	.00000	35.14568	-.07410	-.08692	-.07927	-.05846	-.07450	-.05615
.156	14.270	.00000	35.50110	-.09643	-.10859	-.10144	-.07792	-.09345	-.07113
.155	16.211	.00000	35.32880	-.12316	-.13415	-.12789	-.10636	-.11699	-.09508
.156	18.301	.00000	35.55466	-.15183	-.16157	-.15487	-.13551	-.14475	-.12204
.157	20.359	.00000	35.95753	-.19054	-.19839	-.19278	-.16957	-.17808	-.15356
.157	22.434	.00000	36.02101	-.22377	-.22940	-.22512	-.20573	-.21326	-.18860
.158	24.311	.00000	35.42434	-.25677	-.26122	-.25705	-.24187	-.24787	-.22290
.157	26.489	.00000	36.21316	-.30114	-.30323	-.29901	-.29632	-.30068	-.27640
	GRADIENT	.00000	-.02208	.00397	.00446	.00573	.00558	.00564	.00683

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS6H15.6.1FOTS401

(PJF124) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 124/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.843	.00000	35.12976	-.06997	-.08739	-.06611	-.06527	-.08706	-.08299
.155	.194	.00000	35.13048	-.04854	-.06536	-.06959	-.03386	-.05579	-.04835
.155	2.161	.00000	35.15055	-.03993	-.05454	-.05646	-.02359	-.04515	-.03626
.155	4.279	.00000	35.13652	-.03884	-.05274	-.05307	-.02134	-.04224	-.03047
.155	6.239	.00000	35.21350	-.03705	-.05006	-.04815	-.02282	-.04251	-.02908
.155	8.257	.00000	35.18389	-.04651	-.05906	-.05555	-.03082	-.05083	-.03497
.155	10.261	.00000	35.20074	-.05931	-.07070	-.06581	-.04239	-.06123	-.04301
.155	12.266	.00000	35.22451	-.07812	-.08828	-.08356	-.05532	-.07254	-.05314
.155	14.425	.00000	35.26681	-.10234	-.11243	-.10818	-.07933	-.09637	-.07298
.155	16.340	.00000	35.37234	-.12583	-.13420	-.13012	-.10237	-.11523	-.09409
.156	18.356	.00000	35.73748	-.15536	-.16245	-.15900	-.13200	-.14336	-.12028
.156	20.400	.00000	35.65277	-.19224	-.19733	-.19388	-.16882	-.17945	-.15499
.157	22.456	.00000	36.06354	-.22420	-.22778	-.22553	-.20592	-.21467	-.19021
.157	24.377	.00000	36.19205	-.25705	-.25926	-.25634	-.24561	-.25320	-.22948
.158	26.680	.00000	36.59107	-.30379	-.30431	-.30107	-.29824	-.30493	-.28149
	GRADIENT	.00000	.00172	.00451	.00504	.00623	.00630	.00642	.00747

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS6H15.6.1F0TS401

(PJF125) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 125/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.881	.00000	35.08947	-.07162	-.08729	-.09779	-.06515	-.08709	-.08387
.155	.198	.00000	35.11362	-.04667	-.06311	-.06854	-.03798	-.06031	-.05394
.155	2.170	.00000	35.10945	-.04036	-.05302	-.05614	-.02343	-.04545	-.03629
.155	4.176	.00000	35.12798	-.04027	-.05253	-.05448	-.02067	-.04248	-.03032
.155	6.304	.00000	35.18537	-.03919	-.05104	-.05105	-.02196	-.04317	-.02965
.155	8.233	.00000	35.21262	-.04577	-.05739	-.05480	-.02673	-.04946	-.03346
.155	10.243	.00000	35.08535	-.05947	-.06986	-.06683	-.03830	-.05813	-.04039
.155	12.391	.00000	35.39437	-.07920	-.08799	-.08374	-.05921	-.07669	-.05859
.155	14.873	.00000	35.27577	-.10678	-.11425	-.11063	-.08568	-.10252	-.07936
.156	16.474	.00000	35.66750	-.12688	-.13451	-.13135	-.10780	-.12130	-.10037
.156	18.413	.00000	35.69930	-.15714	-.16333	-.16040	-.13599	-.14878	-.12588
.157	20.420	.00000	35.94653	-.19390	-.19802	-.19610	-.16833	-.17981	-.15536
.157	22.374	.00000	36.09948	-.22943	-.23311	-.23217	-.20459	-.21377	-.18934
.157	24.475	.00000	36.27272	-.26314	-.26443	-.26455	-.24414	-.25247	-.22761
.157	26.646	.00000	36.32425	-.30496	-.30582	-.30386	-.29625	-.30319	-.27875
GRADIENT		.00000	.00491	.00455	.00512	.00636	.00655	.00658	.00784

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS401

(PJF126) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 126/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.830	.00000	35.03349	-.06721	-.08608	-.09158	-.05891	-.07778	-.07519
.155	.089	.00000	35.03220	-.04761	-.06238	-.06250	-.03951	-.05814	-.05169
.155	2.215	.00000	35.02858	-.04043	-.05687	-.05551	-.02629	-.04480	-.03676
.154	4.166	.00000	34.95969	-.03946	-.05588	-.05268	-.02252	-.04079	-.02950
.154	6.207	.00000	34.93469	-.03687	-.05271	-.04703	-.02622	-.04300	-.03007
.155	8.251	.00000	35.01646	-.04795	-.06267	-.05476	-.03477	-.05189	-.03638
.155	10.211	.00000	35.03892	-.05961	-.07298	-.06468	-.04410	-.06016	-.04248
.155	12.220	.00000	35.06652	-.07613	-.08787	-.07900	-.06210	-.07679	-.05854
.155	14.312	.00000	35.19508	-.10001	-.11112	-.10324	-.08252	-.09667	-.07453
.156	16.382	.00000	35.55618	-.12974	-.14043	-.13309	-.10868	-.11880	-.09734
.156	18.452	.00000	35.78623	-.16088	-.16987	-.16213	-.13984	-.14878	-.12505
.156	20.369	.00000	35.83590	-.19269	-.20005	-.19346	-.17206	-.18024	-.15598
.157	22.337	.00000	35.94360	-.22845	-.23422	-.22828	-.20828	-.21504	-.19052
.157	24.356	.00000	35.99272	-.26680	-.27023	-.26605	-.24494	-.25133	-.22491
.157	26.722	.00000	36.16293	-.31094	-.31308	-.30683	-.30435	-.30895	-.28424
	GRADIENT	.00000	-.00911	.00387	.00434	.00556	.00538	.00546	.00666

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS401

(PJF127) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 127/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.836	.00000	34.95780	-.07383	-.08976	-.09779	-.06618	-.08691	-.08417
.155	.130	.00000	35.02249	-.04779	-.06494	-.06742	-.03839	-.05932	-.05234
.154	2.171	.00000	35.00489	-.04512	-.05900	-.05937	-.02518	-.04616	-.03671
.155	4.176	.00000	35.05840	-.04167	-.05520	-.05359	-.02283	-.04282	-.03131
.155	6.267	.00000	35.28864	-.04256	-.05539	-.05197	-.02317	-.04271	-.02911
.155	8.238	.00000	35.29116	-.04498	-.05677	-.05243	-.02997	-.04872	-.03308
.155	10.263	.00000	35.22253	-.06281	-.07340	-.06770	-.04372	-.06212	-.04455
.155	12.399	.00000	35.25039	-.08183	-.09211	-.08528	-.06140	-.07766	-.05920
.155	14.350	.00000	35.32842	-.10398	-.11359	-.10629	-.08414	-.09989	-.07738
.156	16.434	.00000	35.51066	-.12880	-.13634	-.12066	-.10774	-.11935	-.09831
.156	18.398	.00000	35.69122	-.15787	-.16496	-.15884	-.13581	-.14707	-.12429
.156	20.350	.00000	35.61905	-.19116	-.19620	-.18056	-.17128	-.18025	-.15698
.156	22.459	.00000	35.78047	-.23014	-.23383	-.22005	-.20693	-.21493	-.18975
.157	24.462	.00000	36.31187	-.26491	-.26746	-.26441	-.24585	-.25227	-.22676
.157	26.738	.00000	36.18695	-.31150	-.31243	-.30776	-.30282	-.30814	-.28367
	GRADIENT	.00000	.01254	.00449	.00492	.00629	.00638	.00646	.00772

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 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS401

(PJF128) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 128/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.841	.00000	35.21113	-.07432	-.08873	-.09758	-.06391	-.08645	-.08297
.155	.126	.00000	35.23667	-.05204	-.06761	-.07099	-.03571	-.05752	-.05103
.155	2.143	.00000	35.29221	-.03973	-.05264	-.05458	-.02497	-.04625	-.03761
.155	4.286	.00000	35.16775	-.04047	-.05290	-.05310	-.01699	-.03840	-.02700
.155	6.327	.00000	35.24564	-.04165	-.05320	-.05111	-.02505	-.04540	-.03171
.155	8.248	.00000	35.26908	-.04924	-.06070	-.05702	-.03250	-.05192	-.03614
.155	10.321	.00000	35.13302	-.06499	-.07502	-.07030	-.04210	-.06044	-.04277
.155	12.365	.00000	35.15730	-.08249	-.09195	-.08599	-.05938	-.07665	-.05746
.155	13.326	.00000	35.21835	-.08684	-.09568	-.08986	-.06584	-.08215	-.06338
.155	14.303	.00000	35.15971	-.10191	-.10988	-.10552	-.07901	-.09570	-.07405
.156	16.391	.00000	35.59149	-.12565	-.13259	-.12867	-.10452	-.11700	-.09640
.156	18.428	.00000	35.74018	-.15789	-.16382	-.15846	-.13828	-.14929	-.12743
.156	20.369	.00000	35.75257	-.19458	-.19990	-.19614	-.16876	-.17818	-.15433
.156	22.406	.00000	35.78124	-.22766	-.23000	-.22761	-.20492	-.21394	-.18921
.157	24.516	.00000	36.09855	-.27041	-.27253	-.27070	-.24772	-.25526	-.23013
.157	26.759	.00000	36.08803	-.31194	-.31135	-.30787	-.30574	-.31090	-.28786
GRADIENT		.00000	-.00245	.00499	.00533	.00653	.00660	.00677	.00788

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6

F0TS401

(PJF129) (01 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 129/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.155	-2.923	.00000	35.14900	-.06450	-.08435	-.08994	-.06352	-.08229	-.07911	
.155	.147	.00000	35.06550	-.04577	-.06552	-.06655	-.03534	-.05436	-.04717	
.155	2.132	.00000	35.11163	-.03760	-.05577	-.05381	-.02661	-.04514	-.03629	
.155	4.192	.00000	35.21561	-.03704	-.05372	-.05085	-.02327	-.04127	-.02947	
.155	6.324	.00000	35.25559	-.04157	-.05775	-.05179	-.02367	-.04122	-.02733	
.155	8.269	.00000	35.29582	-.04631	-.06155	-.05412	-.03336	-.05064	-.03479	
.155	10.434	.00000	35.29637	-.05822	-.07206	-.06354	-.04696	-.06297	-.04431	
.155	12.331	.00000	35.28726	-.07956	-.09198	-.06340	-.06220	-.07710	-.05813	
.155	14.292	.00000	35.45068	-.09967	-.11152	-.11352	-.07945	-.09376	-.07123	
.156	16.331	.00000	35.53019	-.12328	-.13465	-.12637	-.10338	-.11292	-.09168	
.156	18.352	.00000	35.70566	-.15533	-.16443	-.15671	-.13663	-.14487	-.12177	
.156	20.451	.00000	35.78784	-.18884	-.19718	-.18970	-.17188	-.17897	-.15480	
.156	22.340	.00000	35.83248	-.22296	-.22960	-.22293	-.20632	-.21315	-.18918	
.157	24.355	.00000	35.96845	-.25499	-.27040	-.26502	-.24776	-.25286	-.22728	
.158	26.726	.00000	36.48348	-.30899	-.31254	-.30548	-.30509	-.30875	-.28435	
	GRADIENT	.00000	.00855	.00401	.00446	.00570	.00576	.00585	.00704	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6

F0TS402

(PJF130) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

BETA = .000 RN/L = 1.090
 TORB = 6.000 ELEVON = .000
 BDFLAP = .000

RUN NO. 130/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.960	.00000	34.93757	-.06769	-.08661	-.09255	-.54545	-.08137	-.07846
.155	.125	.00000	35.03854	-.04516	-.06467	-.06521	-.51778	-.05410	-.04697
.155	2.146	.00000	35.06854	-.04340	-.05954	-.05839	-.50365	-.04133	-.03185
.155	4.205	.00000	35.09100	-.03738	-.05399	-.05090	-.50149	-.03897	-.02705
.155	6.325	.00000	35.10489	-.03870	-.05419	-.04871	-.50242	-.03903	-.02445
.155	8.239	.00000	35.10264	-.04982	-.06476	-.05810	-.51157	-.04756	-.03080
.155	10.257	.00000	35.16405	-.05825	-.07150	-.06326	-.52246	-.05829	-.04039
.155	12.437	.00000	35.15664	-.07714	-.08989	-.08033	-.54127	-.07467	-.05566
.155	14.248	.00000	35.23708	-.09653	-.10867	-.09978	-.55887	-.09299	-.07069
.155	16.388	.01000	35.40257	-.12627	-.13704	-.12977	-.58128	-.11335	-.09145
.156	18.418	.01000	35.90124	-.15500	-.16409	-.15627	-.60408	-.14244	-.11891
.157	20.444	.01000	35.91287	-.18976	-.19755	-.19015	-.64204	-.17825	-.15505
.157	22.422	.01000	35.90828	-.22644	-.23222	-.22669	-.67430	-.21026	-.18465
.157	24.447	.01000	35.95381	-.26848	-.27344	-.26847	-.71776	-.25305	-.22691
.157	26.717	.01000	36.07511	-.31023	-.31296	-.30653	-.77009	-.30594	-.28004
	GRADIENT	.00000	.02145	.00410	.00451	.00576	.00637	.00612	.00737

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS402

(PJF131) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BDFLAP = .000

RUN NO. 131/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-2.852	.00000	35.43724	-.06468	-.08349	-.08938	-.06197	-.08078	-.07757
.155	.225	.00000	35.14443	-.04316	-.06372	-.06313	-.03634	-.05522	-.04849
.155	2.160	.00000	35.03498	-.03884	-.05594	-.05433	-.02583	-.04448	-.03597
.155	4.284	.00000	35.11201	-.03704	-.05417	-.05017	-.02139	-.03980	-.02790
.155	6.385	.00000	35.12982	-.03876	-.05437	-.04836	-.02250	-.03985	-.02608
.155	8.172	.00000	35.21428	-.04600	-.06082	-.05349	-.03305	-.05001	-.03447
.155	10.323	.00000	35.23148	-.05981	-.07315	-.06436	-.04348	-.05971	-.04157
.155	12.163	.00000	35.25736	-.07585	-.08842	-.07977	-.05866	-.07348	-.05403
.155	14.391	.00000	35.36139	-.09528	-.10731	-.07771	-.08154	-.09556	-.07381
.155	16.343	.00000	35.43551	-.12288	-.13371	-.11527	-.10644	-.11570	-.09471
.156	18.441	.00000	35.60433	-.15745	-.16723	-.15848	-.14115	-.14913	-.12613
.156	20.490	.00000	35.62269	-.18397	-.19730	-.18840	-.17596	-.18305	-.15944
.156	22.459	.00000	35.80883	-.22935	-.23541	-.22924	-.21029	-.21581	-.19092
.157	24.484	.00000	35.94579	-.26721	-.27219	-.26725	-.24908	-.25327	-.22681
.157	26.740	.00000	36.23182	-.31426	-.31823	-.31157	-.30636	-.30895	-.28340
	GRADIENT	.00000	-.04914	.00390	.00422	.00558	.00581	.00586	.00705

(CA-8) K3V9.1.2TS6H15.6.1F0TS402

(PJF132) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	.000
BDFLAP	=	.000			

RUN NO. 132/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	-2.837	.00000	34.83769	-.07230	-.08969	-.03604	-.06698	-.08724	-.08389
.154	.236	.00000	34.87543	-.04573	-.05363	-.03516	-.03524	-.05533	-.04875
.155	2.160	.00000	35.06965	-.04063	-.05587	-.05490	-.02714	-.04660	-.03774
.155	4.185	.00000	35.07466	-.03510	-.04989	-.04712	-.02121	-.04008	-.02832
.155	6.239	.00000	35.10980	-.04146	-.05510	-.05064	-.02459	-.04244	-.02876
.155	8.233	.00000	35.10316	-.04730	-.06086	-.05446	-.03212	-.04965	-.03418
.155	10.438	.00000	35.18710	-.06152	-.07396	-.06608	-.04426	-.06142	-.04287
.155	12.356	.00000	35.18612	-.07464	-.08614	-.07786	-.06044	-.07496	-.05710
.155	14.548	.00000	35.31018	-.10441	-.11527	-.11751	-.08399	-.09834	-.07586
.155	16.387	.00000	35.44974	-.12994	-.14048	-.13298	-.10641	-.11612	-.09436
.156	18.423	.00000	35.58443	-.15364	-.16259	-.15551	-.13520	-.14426	-.12155
.156	20.479	.00000	35.59631	-.19228	-.19952	-.19245	-.17457	-.18235	-.15809
.156	22.435	.00000	35.58210	-.22631	-.23231	-.22639	-.20758	-.21335	-.18885
.156	24.419	.00000	35.60244	-.26386	-.26757	-.25225	-.24708	-.25267	-.22702
.158	26.712	.00000	36.39449	-.31312	-.31585	-.31113	-.29919	-.30231	-.27670
	GRADIENT	.00000	.03837	.00527	.00569	.00701	.00654	.00675	.00793

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF133) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.192	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 133/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.11S7H15.6.1F30T5401G5.3.5

(PJF134) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.216	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 134/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

(PJF135) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.254	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
ROFLAP =	-11.700		

RUN NO. 135/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

(PJF136) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.219	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 136/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF137) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	2.234	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 137/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(PJF138) (01 JUN 76)

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

PARAMETRIC DATA

ALPHAW =	10.169	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
ROELAP =	-11.700		

RUN NO. 138/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF139) (01 JUN 75)

PARAMETRIC DATA

ALPHAW =	12.226	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 139/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF140) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	14.293	PN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 140/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF141) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	16.297	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 141/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

(PJF142) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.177	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IOFB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 142/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF143) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.       ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	2.164	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 143/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF144) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.247	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 144/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF145) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.166	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 145/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF146) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.099    RN/L   =      1.090
STAB   =     -4.000    ELEVTR =      .000
IORB   =      3.000    ELEVON =      .000
BDFLAP =     -11.700
```

RUN NO. 146/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF147) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.174 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
ICRB = 3.000 ELEVON = .000
BDFLAP = -11.700
```

RUN NO. 147/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF148) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	12.110	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

[illegible]

(PJF149) (01 JUN 76)

PARAMETRIC DATA

ALPHA	=	14.219	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDELAP	=	-11.700			

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

(PJF150) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	16.235	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 150/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6,1F30TS40IG5.3.5

(PJF151) 01 JUN 76

PARAMETRIC DATA

ALPHAW =	.159	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

PUN NO. 151/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.277	.15940	35.18640	.03551	.01587	.02086	-.01327	-.04494	-.03010	.00000
.155	17.417	.10950	35.23467	.02160	.00372	.00604	-.01394	-.04606	-.03134	.00000
.155	23.828	.07419	35.12783	.00077	-.00834	-.00745	-.01053	-.04383	-.02977	.00000
.155	30.252	.03234	35.06926	-.00153	-.01819	-.01842	-.01212	-.04593	-.03224	.00000
.155	32.661	.01003	35.08161	-.00407	-.01980	-.02130	-.01143	-.04538	-.03240	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00100	.00000	.00000	.00000	.00000

(CA-8) K2:1TS7H15.6.1F30TS401G5.3.5

(PJF152) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.158	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 152/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF153) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	8.110	RN/L	=	1.090
STAB	=	-6.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 153/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2, 1TS7H15.6.1F30TS401G5.3.5

(PJF154) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.239	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 154/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1T57H15.6.1F30TS40IG5.3.5

(PJF155) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.147	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 155/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF156) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.148	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 156/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF157) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.235	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 157/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.279	.23476	35.09581	.03572	.01550	.02254	-.02011	-.03585	-.02262	.00000
.155	13.372	.19344	35.20.98	.02955	.00991	.01510	-.01962	-.03551	-.02299	.00000
.155	20.141	.15945	35.23802	.02176	.00258	.00620	-.02414	-.04072	-.02805	.00000
.155	31.543	.09040	34.96823	.00011	-.01773	-.01613	-.01623	-.03478	-.02245	.00000
.156	33.911	.06704	35.33694	-.00410	-.02185	-.02070	-.01573	-.03398	-.02206	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.03000	.00000	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7

F30TS401G5.3.5

(PJF158) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	4.200	RN/L	=	1.090
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 158/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F30TS401G5.3.5

(PJF 159) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.165	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 159/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF160) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.112    RN/L =      1.090
TORB   =      3.000    ELEVON =      .000
BDFLAP =     -11.700
```

[illegible]

(PJF161) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.252	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

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(PJF162) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.237 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700
```

[illegible]

(PJF163) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.158	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7H15.6.1F30TS40165.3.5

(PJF164) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.201 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 164/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.156	11.332	4.20109	35.4359	.04025	.02769	.03302	.00050	-.02945	-.01444	.00000
.155	13.585	4.18061	35.14831	.03521	.02301	.02750	.00241	-.02755	-.01284	.00000
.155	22.259	4.15704	35.16990	.01186	.00103	.00258	-.00394	-.03431	-.01922	.00000
.155	38.090	4.10907	34.99257	-.01696	-.02738	-.02785	.00113	-.03117	-.01540	.00000
.155	53.213	4.03795	35.14076	-.02685	-.03765	-.03825	-.00369	-.03588	-.02014	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F30TS40165.3.5

(PJF165) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.049 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 165/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.156	11.341	5.04948	35.45595	.03200	.02331	.02609	-.00740	-.03644	-.02218	.00000
.155	13.419	6.09146	35.25715	.02237	.01443	.01649	-.00239	-.03151	-.01725	.00000
.155	21.263	6.07748	35.05504	.00953	.00202	.00254	-.00301	-.03292	-.01811	.00000
.154	36.610	6.05170	34.76038	-.01752	-.02465	-.02585	.00029	-.03163	-.01480	.00000
.155	52.404	6.05926	35.19885	-.03176	-.03944	-.04148	-.00778	-.03849	-.02150	.00000
.155	62.956	6.23587	35.20133	-.03923	-.04722	-.04921	-.01051	-.04158	-.02462	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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CA-8 - FORCE SOURCE DATA TABULATION

(1CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF166) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.213	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 166/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF167) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.229	RNV/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDCLAP =	-11.700		

RUN NO. 167/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00, 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(PJF168) JUN 01 JUN 76

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.130	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 168/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF169) (01 JUN 75)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.183	PN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 169/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF170) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.177	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 170/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F3DTS401G5.3.5

(PJF171) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.229	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 171/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF172) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 172/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF173) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.106	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 173/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

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(PJF174) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.126	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 174/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF175) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.171	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 175/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(PJF176) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHA = 6.173 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 176/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.341	6.17247	35.19275	.02409	.01241	.02242	-.02985	-.04522	-.03100	.00000
.155	12.973	6.14746	35.19724	.01797	.00577	.01562	-.02463	-.04018	-.02335	.00000
.154	22.070	6.13177	34.92518	-.00215	-.01382	-.00513	-.02105	-.03768	-.02433	.00000
.154	37.934	6.11838	34.75345	-.02526	-.03787	-.03033	-.02154	-.03798	-.02369	.00000
.154	53.578	6.08744	34.62446	-.03849	-.05072	-.04461	-.02596	-.04277	-.02351	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(PJF177) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHA = 8.173 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 177/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.340	8.17339	35.22050	.01537	.00346	.01734	-.03324	-.04591	-.03442	.00000
.156	20.881	8.15028	35.43861	-.01180	-.02414	-.01163	-.03240	-.04583	-.03197	.00000
.155	36.831	8.12268	35.02256	-.03281	-.04462	-.03448	-.03104	-.04492	-.02999	.00000
.154	52.314	8.11801	34.86682	-.04628	-.05951	-.04938	-.03983	-.05322	-.03787	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF178) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.137 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700
```

RUN NO. 178/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF179) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.198	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 179/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF180) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.151	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF181) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.167	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
RDELAP =	-11.700		

[illegible]

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(PJF182) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF:83) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	6.180	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

[illegible]

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(PJF184) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.158	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 184/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF185) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.175	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 185/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF186) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.161	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF187) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.179	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
ROFLAP =	-11.700		

[illegible]

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(PJF188) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.122	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF189) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      6.123   RN/L   =      1.090
STAB   =     -4.000   ELEVTR =      .000
IORB   =      6.000   ELEVON =     -5.000
BDFLAP =     -11.700
```

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(PJF190) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.153	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 190/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF191) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.190	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 191/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF192) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.151 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700
```

RUN NO. 192/ 0 RN/L = .00 GRADIENT INTERVAL = -5 00/ 5.00

[illegible]

(PJF 193) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.128	RN/L =	1.090
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 193/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7

F30TS40IG5.3.5

(PJF194) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.126 RN/L = 1.090
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 194/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.157	11.331	4.12594	36.09143	.03596	.01988	.02661	-.00349	-.03020	-.01643	.00000
.155	13.482	4.09960	35.15022	.03392	.01865	.02430	-.00282	-.02873	-.01609	.00000
.156	22.767	4.15943	35.38733	.01535	-.00001	.00465	-.00038	-.02771	-.01435	.00000
.155	38.878	4.11715	35.13567	-.01138	-.02667	-.02379	.00085	-.02694	-.01258	.00000
.155	53.826	4.16426	35.26370	-.02250	-.03737	-.03540	-.00259	-.03027	-.01542	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F30TS40IG5.3.5

(PJF195) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.186 RN/L = 1.090
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 195/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.341	6.18562	35.13906	.03517	.02231	.02825	-.00147	-.02582	-.01251	.00000
.155	13.422	6.15900	35.21092	.03431	.02109	.02667	-.00670	-.03130	-.01795	.00000
.155	22.524	6.12838	35.25193	.01042	-.00245	.00163	.00034	-.02545	-.01079	.00000
.155	38.427	6.13026	35.29861	-.01430	-.02709	-.02461	-.00011	-.02604	-.01039	.00000
.155	54.071	6.21619	35.23734	-.02600	-.03998	-.03694	-.00598	-.03203	-.01616	.00000
	GRADIENT	.00000	.00000	.00000	.00900	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1T57

F30TS40165.3.5

(PJF196) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.187	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 196/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS40IG5.3.5

(PJF197) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.192	PN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 197/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF198) (01 JUN 76)

F30TS401G5 3.5

PARAMETRIC DATA

ALPHAW =	12.168	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF199) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.171	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.903	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

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(PJF200) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.098	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 200/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF201) (01 JUN 75)

PARAMETRIC DATA

ALPHAW =	6.137	RN/L =	1.090
STAB =	-2.900	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 201/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(PJF202) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	8.191	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 202/ C RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-B) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF203) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	10.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 203/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF204) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = 12.192 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 204/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	20.661	12.19234	35.26808	-.02038	-.02969	-.02049	-.03978	-.05692	-.04061	.00000
.155	23.991	12.18811	35.20093	-.03468	-.04366	-.03615	-.03688	-.05363	-.03573	.00000
.155	39.987	12.22414	35.14335	-.05792	-.06725	-.06180	-.04212	-.05923	-.03966	.00000
.156	55.486	12.24293	35.44415	-.07072	-.08069	-.07537	-.05425	-.07056	-.05095	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF205) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = .134 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 205/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.156	11.277	.13364	35.44503	.03033	.01016	.01753	-.01866	-.04563	-.03240	.00000
.155	14.431	.09492	35.19829	.02055	.00077	.00654	-.01735	-.04400	-.03087	.00000
.155	23.952	.10338	35.11065	.00084	-.01797	-.01411	-.01781	-.04461	-.03259	.00000
.155	32.899	.03385	35.02771	-.00977	-.02854	-.02541	-.01144	-.03904	-.02712	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(PJF206) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.242	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 206/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF207) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.119	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 207/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF208) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	8.086	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORS =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 208/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.340	8.08564	35.18854	.03062	.02133	.02729	-.00966	-.03295	-.01891	.00000
.155	12.627	8.05811	35.12294	.02527	.01683	.02161	-.00419	-.02783	-.01296	.00000
.155	21.607	8.08122	35.07387	.00078	-.00834	-.00448	-.00234	-.02651	-.01070	.00000
.155	37.456	8.17539	35.28141	-.02165	-.03143	-.02992	-.00712	-.03227	-.01418	.00000
.155	52.939	8.16581	35.28070	-.03550	-.04556	-.04433	-.01255	-.03779	-.01859	.00000
.156	74.071	8.27298	35.45181	-.04822	-.05838	-.05710	-.02403	-.04949	-.03053	.00000
	GRADIENT	.00000	.00000	.00090	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF209) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHA =	10.183	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 209/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF210) (01 JUN 55)

PARAMETRIC DATA

ALPHAW =	12.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 210/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF211) (01 JUN 76)

PARAMETRIC DATA

ALPHA =	.213	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IOPB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 211/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF212) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 212/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF213) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      6.140    RN/L   =      1.090
STAB   =     -4.000    ELEVTR =      .000
IORB   =      6.000    ELEVON =     -5.000
BDFLAP =      .000
```

RUN NO. 213/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF214) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.192	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 214/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF215) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.124	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 215/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF216) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

```
ALPHAW = 12.123 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 216/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF217) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	.194	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 217/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF218) 01 JUN 76

PARAMETRIC DATA

ALPHAW =	4.059	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 218/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF219) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      6.081    RN/L   =      1.090
STAB   =     -2.000    ELEVTR =      .000
IORB   =      6.000    ELEVON =     -5.000
BDFLAP =      .000
```

RUN NO. 219/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF220) 44 (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.162	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 220/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF221) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.070	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 221/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF222) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.211 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
TORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 222/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF223) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.204	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
10RB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 223/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF224) (08 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	4.117	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 224/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF225) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

```
ALPHAW = 6.147 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 225/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF226) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	8.154	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 226/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF227) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW	=	10.089	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 227/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF228) (01 JUN 76)

PARAMETRIC DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW	=	12.121	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 228/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7 F30TS402G5.3.5

(PJF229) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	.216	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 229/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF230) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.197	BN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 230/ 0 SN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF231) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 6.094 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 231/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7

F30TS402G5.3.5

(PJF232) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHA = 8.072 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 232/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.340	8.07212	35.12206	.03040	.02050	.02975	-.00783	-.03650	-.02080	.00000
.155	12.332	8.04988	35.10018	.02873	.01869	.02770	-.00509	-.03432	-.01819	.00000
.155	22.108	8.14798	35.04915	.00361	-.00580	.00177	-.00711	-.03696	-.01851	.00000
.155	37.794	8.12738	35.09448	-.02525	-.03469	-.03050	-.00118	-.03272	-.01148	.00000
.155	53.368	8.15882	35.24386	-.03666	-.04628	-.04240	-.01277	-.04389	-.02325	.00000
.155	74.534	8.32952	35.28360	-.05102	-.05994	-.05728	-.02273	-.05404	-.03287	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F30TS402G5.3.5

(PJF233) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHA = 10.131 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 233/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.327	10.13133	34.99565	.01763	.01212	.02024	-.01444	-.04343	-.02663	.00000
.155	12.821	10.10774	35.18398	.01365	.00761	.01524	-.01646	-.04514	-.02836	.00000
.155	21.514	10.09888	35.21340	-.00681	-.01318	-.00723	-.01303	-.04266	-.02287	.00000
.155	38.208	10.19303	35.31244	-.04196	-.04920	-.04487	-.01662	-.04596	-.02464	.00000
.155	53.364	10.19204	35.14725	-.05014	-.05642	-.05380	-.02687	-.05705	-.03547	.00000
.155	82.541	10.24380	35.35641	-.06518	-.07215	-.06924	-.03987	-.06997	-.04776	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(PJF234) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.131	RN/L =	1.090
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 234/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF235) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.234	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 235/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF236) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.036	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
ROFLAP =	.000		

[illegible]

(PJF237) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.109	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP	.000		

[illegible]

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(PJF238) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.123    RN/L   =      1.090
STAB   =     -2.000    ELEVTR =     -23.000
IORB   =      6.000    ELEVON =      -5.000
RDFLAP =      .000
```

RUN NO. 238/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF239) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.152	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
RDELAP =	.000		

RUN NO. 239/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF240) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.091 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 240/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF241) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = .204 RN/L = 1.090
SIAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 241/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.278	.20384	35.19052	.03371	.01107	.02102	-.02076	-.04238	-.03032	.00000
.155	14.327	.16080	35.11687	.02990	.00656	.01526	-.02941	-.05043	-.03858	.00000
.155	24.085	.11708	35.34434	.00866	-.01205	-.00429	-.02364	-.04698	-.03508	.00000
.155	33.000	.12674	35.08899	-.00446	-.02438	-.02013	-.02008	-.04289	-.03239	.00000
	GRADIENT	.00000	.00000	.00000	.00000	C.OOOO0	.00000	.00000	.00000	.00000

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(PJF242) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.127	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 242/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF243) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.143	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 243/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(P. 244) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 244/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF245) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.104	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 245/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF246) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.217 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000
```

[illegible]

(PJF247) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.185	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(PJF248) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

ALPHAW =	4.176	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 248/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS402G5.3.5

(PJF249) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.  XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.      YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	6.162	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 249/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1T57

F30TS402G5.3.5

(PJF250) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	8.199	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 250/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS402G5.3.5

(PJF251) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.114 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 251/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57

F30TS402G5.3.5

(PJF252) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW = 12.218 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 252/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF253) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAN = .182 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BOFLAP = .000
```

RUN NO. 253/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF254) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.155	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 254/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF255) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW =      6.113    RN/L   =      1.090
STAB   =      .000    ELEVTR =      .000
TORB   =      8.000    ELEVON =     -5.000
BDFLAP =      .000
```

RUN NO. 255/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1T57H15.6.1F30TS402G5.3.5

(PJF256) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.174	PN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
PDELAP =	.000		

RUN NO. 256/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF257) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.184	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
10RB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 257/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF258) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.229	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 258/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF259) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 259/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-B - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF260) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.181 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 260/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.156	11.332	4.18088	35.56168	.03985	.01254	.03541	-.02291	-.02794	-.01768	.00000
.155	13.415	4.16031	35.25040	.03707	.01055	.03288	-.01712	-.02217	-.01162	.00000
.155	22.682	4.13416	35.26734	.02046	-.00634	.01498	-.02118	-.02676	-.01564	.00000
.156	38.781	4.11921	35.41638	-.00722	-.03434	-.01448	-.01503	-.02160	-.00956	.00000
.155	53.728	4.19773	35.35036	-.01652	-.04302	-.02406	-.02227	-.02880	-.01649	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF261) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.166 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 261/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.341	6.16652	35.21874	.04025	.01376	.03909	-.02303	-.02683	-.01593	.00000
.155	12.793	6.13737	35.08400	.03314	.00747	.03164	-.01852	-.02214	-.01029	.00000
.156	21.908	6.11722	35.48080	.01559	-.01141	.01262	-.01976	-.02449	-.01169	.00000
.156	37.780	6.20423	35.47115	-.00705	-.03386	-.01159	-.01773	-.02237	-.00899	.00000
.155	53.431	6.17631	35.22747	-.02078	-.04789	-.02564	-.02706	-.03178	-.01762	.00000
.156	63.921	6.26188	35.55949	-.02800	-.05533	-.03330	-.02826	-.03377	-.01936	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(PJF262) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.149	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 262/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF263) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.166	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 263/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF264) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

ALPHAW	=	12.163	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 264/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF265) (08 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.  XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	11.591	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF266) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	.092	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 266/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(PJF267) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	4.187	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 267/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF268) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.100	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 268/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF269) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.172	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 269/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF270) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.130	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.327	10.12962	35.22001	.02245	.01077	.02237	-.02281	-.03943	-.02543	.00000
.155	12.406	10.10751	35.18383	.01640	.00303	.01524	-.01828	-.03556	-.02093	.00000
.155	21.307	10.10434	35.15853	-.00170	-.01478	-.00494	-.01690	-.03471	-.01821	.00000
.155	37.661	10.18804	35.22060	-.03713	-.05041	-.04365	-.02004	-.03819	-.01863	.00000
.156	53.079	10.20497	35.58854	-.04526	-.05959	-.05141	-.03565	-.05339	-.03498	.00000
.156	84.747	10.28851	35.49197	-.06371	-.07784	-.07040	-.04786	-.06584	-.04673	.00000
	GRADIENT	.00000	.00000	.J0000	.00000	.00000	.00000	.00000	.00000	.00000

(PJF271) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

[illegible]

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(PJF274) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.170	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 274/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF275) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.144	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 275/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF276) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.179	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 276/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(PJF277) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.178	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
TORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 277/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(PJF278) (01 JUN 76)

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.      XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.          YMRP = .0000 IN.YC
BREF = 2348.0000 IN.         ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 278/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57H15.6.1F30TS40IG5.3.5

(PJF279) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	.160	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
1ORB =	8.900	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 279/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF280) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.141	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 280/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF281) (01 JUN 75)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.199	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDELAP =	-11.700		

RUN NO. 281/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF282) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.128    RN/L   =      1.090
STAB   =     -4.000    ELEVTR =      .000
IORB   =      0.000    ELEVON =     -5.000
BDFLAP =    -11.700
```

[illegible]

(PJF283) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.137 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700
```

[illegible]

(CA-B) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF284) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.159	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 284/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF285) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.120	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 285/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF288) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.199 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 288/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.340	8.19856	35.15742	.03211	.01541	.02681	-.01329	-.03047	-.01826	.00000
.155	12.712	8.17297	35.14261	.03083	.01452	.02592	-.01374	-.03138	-.01878	.00000
.155	22.099	8.16611	35.34500	.00854	-.00728	.00177	-.00805	-.02724	-.01220	.00000
.155	38.080	8.16707	34.98659	-.01798	-.03359	-.02691	-.01097	-.03047	-.01327	.00000
.156	53.567	8.16176	35.37176	-.03138	-.04800	-.04060	-.02135	-.04108	-.02426	.00000
.155	74.763	8.23374	35.33394	-.04351	-.05965	-.05332	-.02882	-.04839	-.03086	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF289) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.130 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 289/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.327	10.12985	35.05277	.02081	.00724	.01952	-.02333	-.04071	-.02770	.00000
.155	12.414	10.10194	35.07295	.01944	.00562	.01741	-.02263	-.03984	-.02628	.00000
.155	21.327	10.15273	35.23000	-.00793	-.02187	-.01257	-.01666	-.03509	-.01850	.00000
.155	37.674	10.16785	35.40033	-.03415	-.04775	-.04060	-.02292	-.04177	-.02391	.00000
.155	53.078	10.17948	35.20493	-.04984	-.06414	-.05811	-.03229	-.05146	-.03166	.00000
.155	84.756	10.31858	35.34685	-.06251	-.07672	-.07086	-.04530	-.06490	-.04588	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF290) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	12.171	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 290/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7 F30TS401G5.3.5

(PJF291) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	.231	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 291 / 0 RN/L = .00 GRADIENT INTERVAL = -5.00 / 5.00

[illegible]

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(PJF292) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	4.088	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 292/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF293) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.232	RN/L =	1.090
IORE =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 293/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.ITS7

F30TS401G5.3.5

(PJF294) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

ALPHAW	=	8.170	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 294/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3, 1T57

F30TS401G5.3.5

(PJF295) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW = 10.141 RN/L = 1.090
IGRB = 8.000 ELEVON = -5.000
BDFLAP = -11.700
```

RUN NO. 295/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS401G5.3.5

(PJF296) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.141	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 296/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF297) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.263	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 297/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF298) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	4.047	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 298/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF299) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	6.135	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 299/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF300) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.209 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

MACH	GP	RUN NO.	300/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00	ALPHAW	Q(P3F)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.340	8.20941	35.24102	.03209	.02379	.03069	.C0100	CP5	CP6	BETA				
.155	12.216	8.18326	35.18249	.02894	.02089	.02756	-.C0147	-.02746	CP5	CP6	BETA			
.154	22.133	8.16419	34.90780	.00629	-.00066	.00277	-.C0023	-.03014	-.00995	-.01238	.00000			
.154	37.619	8.15327	34.54843	-.01739	-.02538	-.02272	-.C0126	-.02935	-.01083	-.01150	.00000			
.154	53.332	8.19800	34.47594	-.03102	-.04033	-.03776	-.C0166	-.03170	-.02586	-.02965	.00000			
.155	74.372	8.13760	35.08923	-.04786	-.05626	-.05585	-.C2029	-.04619	-.02586	-.02965	.00000			
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.C0000	-.05036	-.02965	.00000	.00000			

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF301) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.143 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

MACH	GP	RUN NO.	301/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00	ALPHAW	Q(P3F)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.327	10.14258	35.05235	.01878	.01460	.01946	.01056	CP5	CP6	BETA				
.155	13.019	10.11915	34.94515	.01601	.01195	.01590	-.00918	-.03868	-.02147	.00000				
.155	20.810	10.11666	35.15176	-.00564	-.00974	-.00765	-.00918	-.03744	-.01964	.00000				
.155	37.598	10.18925	34.99801	-.03832	-.04348	-.04341	-.01008	-.03905	-.01979	.00000				
.154	52.702	10.16122	34.82077	-.04822	-.05307	-.05328	-.01576	-.04422	-.02288	.00000				
.154	84.477	10.28636	34.82469	-.06690	-.07203	-.07243	-.02151	-.05119	-.02952	.00000				
	GRADIENT	.00000	.00000	.00000	.00000	.00000	-.03664	-.06586	-.04414	.00000				

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(PJF302) (01 JUN 76)

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.252	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 302/ 0 RN/L = .00 BOFLAP
ALPHA 0.000000 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

(PJF303) (01 JUN 76)

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.255	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 303/ 0 RN/L = .00 BDFLAP
ALPHA GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF304) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.075	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 304/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF305) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.060	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 305/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF306) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.107	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(PJF307) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF308) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.145	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 308/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7 F10TS402G5.3.5

(PJF309) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.211	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 309/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF310) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      4.011      RN/L  =      1.090
IORB    =      8.000      ELEVON =     -5.000
BDFLAP  =      .000
```

[illegible]

(PJF311) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.211	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7

F10TS402G5.3.5

(PJF312) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.089 RN/L = 1.090
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 312/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.340	8.08902	35.32485	.03167	.01754	.02955	-.02051	-.04693	-.03208	.00000
.155	12.918	8.06637	35.06001	.01928	.00657	.01684	-.01351	-.04152	-.02450	.00000
.155	22.722	8.16388	34.94572	-.00057	-.01407	-.00549	-.01351	-.04199	-.02431	.00000
.155	38.608	8.17144	35.04897	-.02613	-.03913	-.03369	-.01008	-.03908	-.01941	.00000
.155	54.117	8.20550	34.94112	-.03176	-.04426	-.03930	-.01739	-.04610	-.02657	.00000
.155	75.173	8.11483	35.23551	-.03970	-.05296	-.04806	-.02346	-.05192	-.03212	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F10TS402G5.3.5

(PJF313) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.137 RN/L = 1.090
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 313/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.327	10.13682	35.15611	.01293	.00282	.01335	-.02260	-.05032	-.03264	.00000
.155	13.481	10.10718	35.17272	.01354	.00396	.01435	-.03054	-.05750	-.04141	.00000
.155	22.102	10.11565	35.03926	-.00695	-.01685	-.00860	-.02673	-.05500	-.03726	.00000
.155	38.584	10.14693	35.02769	-.03355	-.04351	-.03827	-.02308	-.05126	-.03110	.00000
.155	54.006	10.23184	35.05485	-.04294	-.05267	-.04828	-.02671	-.05512	-.03455	.00000
.155	85.643	10.27138	35.26245	-.05902	-.06915	-.06434	-.03681	-.06540	-.04470	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(PJF314) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP = 1339.9100 1N.XC
LREF  = 327.8000 1N.      YMRP = .0000 1N.YC
BREF  = 2348.0000 1N.     ZMRP = 190.7500 1N.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	12.208	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDELAP	=	.000			

RUN NO. 314/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF315) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.  XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.206	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 315/ 0 PN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF316) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.136	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 316/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF317) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.112	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 317/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF318) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.230	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 318/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF319) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.085	RN/L =	1.000
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 319/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

PARAMETRIC DATA

RUN NO. 320/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

PARAMETRIC DATA

RUN NO. 321/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1T57H15.6.1F10T5402G5.3.5

(PJF322) (01 JUN 75)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	4.024	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 322/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF323) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.135	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 323/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF324) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.152	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 324/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF325) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.  XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	10.053	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 325/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF326) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.123	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 326/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF327) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.195	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 327/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	3.963	RN/L	=	1.090
STAB	=	2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 328/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF329) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.133	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 329/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF330) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.150	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(PJF331) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.074	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

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(PJF332) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.218	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVAN =	-5.000
BOFLAP =	.000		

RUN NO. 332/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF333) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	.240	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 333/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF334) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.003	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 334/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.330	4.00309	35.33287	.02909	.01047	.02277	-.01530	-.04129	-.02606	.00000
.155	14.557	3.97173	35.06647	.02182	.00450	.01506	-.01465	-.04174	-.02590	.00000
.154	22.359	4.09891	34.95524	.00503	-.01177	-.00231	-.00894	-.03717	-.02149	.00000
.154	38.543	4.18263	34.89773	-.01740	-.03345	-.02676	-.00344	-.03219	-.01545	.00000
.155	53.583	4.18731	35.10336	-.02210	-.03750	-.03200	-.00941	-.03761	-.02127	.00000
	GRADIENT	.00000	.00000	.00000	.00600	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF335) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
GREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.127	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 335/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF336) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.113	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 336/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57H15.6.1F10"S402G5.3.5

(PJF337) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.121	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 337/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF338) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.123 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 338/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF339) (01 JUN 76)

PARAMETRIC DATA

ALPHA =	.132	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 339/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(PJF340) (01 JUN 76)

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.180	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
RDELAP =	.000		

RUN NO. 340/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF341) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.149	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDELAP =	.000		

RUN NO. 341/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF342) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	8.123	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 342/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF343) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.116 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 343/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF346) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	4.102	RN/L	=	1.090
STAB	=	2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 346/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF347) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.145	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 347/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF348) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.104	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(PJF349) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.197 RN/L = 1.090
STAB = 2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

[illegible]

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(PJF350) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.193	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDELAP =	.000		

[illegible]

(PJF351) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = .239 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.ITS7

F10TS402G5.3.5

(PJF352) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	4.108	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 352/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F10TS402G5.3.5

(PJF353) (01 JUN 76)

PARAMETRIC DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	6.177	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 353/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF354) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	8.175	RN/L	=	1.090
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

[illegible]

(PJF355) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.215  RN/L = 1.090
IORB = 6.000  ELEVON = -5.000
BDFLAP = .000
```

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F10TS402G5.3.5

(PJF356) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW = 12.152  RN/L = 1.090
TORB = 6.000  ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 356/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF357) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

ALPHAW =	.223	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 357/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF358) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	3.987	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 358/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF359) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 359/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF360) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.220	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 360/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57H15.6.1F10T5402G5.3.5

(PJF361) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHA W =	10.205	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IDRB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 361/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF362) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = 12.137 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 362/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	20.183	12.13695	35.28359	-.01947	-.02168	-.01537	-.03591	-.06466	-.04673	.00000
.155	24.023	12.10808	35.23976	-.03206	-.03378	-.03048	-.03027	-.05859	-.03898	.00000
.155	39.500	12.14851	35.01169	-.05294	-.05549	-.05268	-.03587	-.06371	-.04331	.00000
.154	55.045	12.14895	34.84281	-.06812	-.07092	-.06965	-.04011	-.06745	-.04732	.00000
.155	97.254	12.25170	35.19672	-.08329	-.08665	-.08554	-.05639	-.08386	-.06335	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF364) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700 GP = 44.000

RUN NO. 364/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	2.229	.00000	35.22539	-.03491	-.05348	-.04798	-.01715	-.04427	-.03243
.155	3.220	.00000	35.02698	-.03260	-.04999	-.04510	-.01857	-.04589	-.03212
.155	4.278	.00000	35.04401	-.03228	-.04834	-.04359	-.01373	-.04175	-.02708
.155	6.264	.00000	35.37362	-.03340	-.04837	-.04327	-.01355	-.04013	-.02391
.155	8.362	.00000	35.12715	-.04066	-.05344	-.04828	-.02204	-.04774	-.03071
	GRADIENT	.00000	-.08735	.00127	.00250	.00213	.00170	.00126	.00264

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(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF365) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 54.000

RUN NO. 365/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	4.268	.00000	35.23638	-.02854	-.04751	-.04092	-.01441	-.03886	-.02414
.155	6.229	.00000	35.04847	-.02951	-.04695	-.03893	-.02057	-.04454	-.02786
.155	8.229	.00000	35.13105	-.03892	-.05413	-.04657	-.02454	-.04890	-.02977
.155	10.329	.00000	35.26875	-.05097	-.06412	-.05756	-.03590	-.05909	-.03903
.155	12.355	.00000	35.35460	-.07013	-.08215	-.07566	-.05383	-.07492	-.05422
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF366) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.390
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 44.000

RUN NO. 366/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.186	2.177	.00000	50.24765	-.03037	-.04694	-.04530	-.02369	-.04572	-.03465
.186	3.221	.00000	50.47579	-.03138	-.04790	-.04479	-.01647	-.03782	-.02578
.186	4.258	.00000	50.26923	-.02800	-.04466	-.04077	-.01697	-.03758	-.02434
.185	6.282	.00000	49.81036	-.02901	-.04445	-.03903	-.02205	-.04156	-.02673
.186	8.311	.00000	50.13392	-.03551	-.05077	-.04335	-.02968	-.04795	-.03181
	GRADIENT	.00000	.01060	.00114	.00109	.00217	.00323	.00392	.00496

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF367) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.390
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 54.000

RUN NO. 367/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.186	4.252	.00000	50.25506	-.02398	-.04148	-.03656	-.02335	-.04236	-.03020
.186	6.288	.00000	50.39586	-.02685	-.04369	-.03660	-.02494	-.04237	-.02866
.186	8.348	.00000	50.20541	-.03541	-.05116	-.04241	-.03644	-.05367	-.03829
.186	10.322	.00000	50.26782	-.05383	-.06886	-.05942	-.04162	-.05776	-.04044
.186	12.438	.00000	50.22425	-.07228	-.08787	-.07759	-.06078	-.07579	-.05632
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF368) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.430
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 44.000

RUN NO. 368/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.204	2.213	.00000	60.22349	-.02795	-.04723	-.04053	-.02717	-.04491	-.03379
.204	3.238	.00000	60.45488	-.02563	-.04496	-.03683	-.02443	-.04160	-.02990
.204	4.307	.00000	60.22012	-.02649	-.04561	-.03637	-.02398	-.04094	-.02822
.204	6.257	.00000	60.34508	-.02710	-.04614	-.03465	-.03114	-.04646	-.03269
.204	8.337	.00000	60.40664	-.03845	-.05660	-.04353	-.03464	-.04987	-.03348
	GRADIENT	.00000	-.00316	.00069	.00076	.00198	.00152	.00189	.00265

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF369) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.430
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 54.000

RUN NO. 369/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.204	4.239	.00000	60.19713	-.02824	-.04832	-.03788	-.02666	-.04214	-.02997
.204	6.310	.00000	60.24327	-.02712	-.04719	-.03427	-.02979	-.04444	-.03022
.204	8.361	.00000	60.03724	-.03724	-.05628	-.04294	-.03585	-.04979	-.03389
.204	10.342	.00000	60.39382	-.04996	-.06850	-.05306	-.05094	-.06362	-.04653
.204	12.403	.00000	60.32885	-.07184	-.08970	-.07372	-.06614	-.07776	-.05871
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF373) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 373/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.254	.00000	35.14399	-.03205	-.05343	-.04640	-.03613	-.06490	-.05389
.155	2.245	.00000	35.12032	-.03168	-.05025	-.04217	-.01705	-.04760	-.03315
.155	4.325	.00000	35.19013	-.03203	-.04965	-.03897	-.01786	-.04981	-.03113
.155	6.280	.00000	35.18271	-.03306	-.04806	-.03689	-.01764	-.05314	-.03098
.155	8.375	.00000	35.24955	-.04487	-.05661	-.04731	-.02299	-.05858	-.03296
.155	10.377	.00000	35.06619	-.05982	-.06759	-.06096	-.03512	-.07072	-.04309
.155	12.484	.00000	35.24913	-.08493	-.08611	-.08557	-.04999	-.08411	-.05757
.156	14.471	.00000	35.40319	-.10407	-.10408	-.10471	-.07470	-.10775	-.08098
.155	16.581	.00000	35.08266	-.13625	-.13372	-.13655	-.10347	-.13455	-.10971
.155	18.442	.00000	35.18513	-.16522	-.15940	-.16541	-.12629	-.15609	-.12763
GRADIENT		.00000	01150	.00000	.00092	.00182	.00445	.00367	.00556

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F10TS40265.3.5

(PJF374) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = .187 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 374/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.278	.18721	35.45882	.00009	-.02006	-.01144	-.05718	1.00158	-.06556	.00000
.155	12.354	.14876	35.43850	-.00373	-.02440	-.01676	-.06106	1.00146	-.07135	.00000
.155	14.764	.13270	35.19708	-.00880	-.02792	-.02195	-.05897	1.00131	-.07103	.00000
.155	20.253	.10437	35.16854	-.02234	-.04262	-.03607	-.05434	1.00119	-.06693	.00000
.154	24.870	.16164	35.14323	-.03055	-.04931	-.04377	-.04569	1.00121	-.05749	.00000
.155	28.200	.13551	35.17858	-.03352	-.05245	-.04782	-.04698	1.00114	-.06002	.00000
.154	33.706	.13560	35.15864	-.03322	-.05066	-.04754	-.04884	1.00124	-.06248	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS40265.3.5

(PJF375) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 4.094 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 375/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.331	4.09424	35.14886	.01096	-.00438	.00676	-.04475	1.00199	-.05577	.00000
.154	13.575	4.11606	35.09338	-.00036	-.01452	-.00519	-.03850	1.00169	-.05027	.00000
.154	18.955	4.10654	35.13116	-.00534	-.01999	-.01006	-.03298	1.00155	-.04380	.00000
.154	22.859	4.12871	35.04886	-.01702	-.03043	-.02394	-.03017	1.00132	-.04216	.00000
.155	26.997	4.11917	35.29444	-.02167	-.03463	-.02758	-.02704	1.00135	-.03799	.00000
.155	38.988	4.16040	35.19976	-.03240	-.04668	-.04052	-.02129	1.00124	-.03308	.00000
.155	53.925	4.19178	35.16762	-.03416	-.04904	-.04265	-.01725	1.00122	-.02817	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

(PJF376) (01 JUN 76)

(CA-8) K3.1TS7H15,6.1F10TS402G5.3.5

PARAMETRIC DATA

ALPHAW =	6.154	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 376/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57H15.6.1F10TS402G5.3.5

(PJF377) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.131	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 377/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF378) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(PJF379) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.167	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF380) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.132	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 380/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF381) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.129	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 381/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF382) (01 JUN 75)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	6.149	RN/L	=	1.090
STAB	=	2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 382/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(PJF383) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.171	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 383/ C RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF384) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.148	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
RDFLAP =	.000		

[illegible]

(PJF385) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.178	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDCLAP =	.000		

[illegible]

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(PJF386) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.144	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(PJF387) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.121	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF388) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.  XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.127	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 388/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF389) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.  XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.      YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.161	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 389/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF390) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	10.166	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 390/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF391) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.  XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.      YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	12.170	P I/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BOFLAP	=	-11.700			

RUN NO. 391/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF392) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 392/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF393) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW =      4.184    RN/L   =      1.090
STAB   =     -2.000    ELEVTR =      .000
IORB   =      3.000    ELEVON =      .000
BDFLAP =    -11.700
```

RUN NO. 393/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF394) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.118	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 394/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF395) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.182    RN/L =      1.090
STAB   =     -2.000    ELEVTR =      .000
IORB   =      3.000    ELEVON =      .000
BDFLAP =     -11.700
```

RUN NO. 395/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF396) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.125 RN/L = 1.050
STAB = -2.000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700
```

RUN NO. 396/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF397) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.173	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 397/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF398) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.178	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 398/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF399) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.155	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 399/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF400) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.152	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 400/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF401) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.127	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 401/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF402) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 10.152 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 402/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.327	10.15181	34.86731	-.00619	-.02050	-.00245	-.06159	-.07319	-.06156	.00000
.154	12.900	10.13332	34.95934	-.01570	-.02915	-.01256	-.05725	-.06678	-.05668	.00000
.154	21.799	10.12413	35.09108	-.02798	-.04206	-.02692	-.05262	-.06516	-.05106	.00000
.154	38.151	10.17398	34.89036	-.05356	-.06668	-.05530	-.04326	-.05695	-.03957	.00000
.155	53.564	10.17378	35.50040	-.05771	-.07197	-.06021	-.04202	-.05536	-.03842	.00000
.155	85.224	10.21425	35.21566	-.05967	-.07433	-.06230	-.04691	-.05904	-.04221	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF403) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 12.125 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 403/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	20.232	12.12460	35.00835	-.04014	-.05277	-.03657	-.06921	-.07946	-.06597	.00000
.155	23.559	12.10346	35.19949	-.04343	-.05741	-.04167	-.06687	-.07667	-.06242	.00000
.155	39.599	12.14818	35.42275	-.06549	-.07944	-.06558	-.05839	-.06854	-.05194	.00000
.155	55.038	12.18570	35.25460	-.07643	-.09089	-.07798	-.06289	-.07215	-.05498	.00000
.154	97.372	12.26421	35.03750	-.08222	-.09664	-.08418	-.06984	-.07839	-.06182	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7

F10TS401GS.3.5

(PJF404) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.144	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 404/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1157

F10TS401G5.3.5

(PJF405) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.201	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 405/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF406) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      6.129    RN/L   =      1.090
TORB   =      3.000    ELEVON =      .000
BDFLAP =     -11.700
```

RUN NO. 406/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF407) (01 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.129    RN/L =      1.090
IORB =      3.000    ELEVON =      .000
BDFLAP =     -11.700
```

RUN NO. 407/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1T57

F10TS401G5.3.5

(PJF408) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW = 10.123 RN/L = 1.090
IORB = 3.000 ELEVON = .000
BDFLAP = -11.700
```

RUN NO. 408/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1T57

F10TS401G5.3.5

(PJF409) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.202	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 409/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF410) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.133	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 410/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF411) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.213	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 411/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF412) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.142	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 412/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF413) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.115	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 413/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(PJF414) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.239	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 414/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(PJF415) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.206	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 415/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(PJF416) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.239	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 416/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF417) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.132	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 417/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF418) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.160	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 418/ 0 RN/L = .00 GRADIENT INTERVAL * -5.00/ 5.00

[illegible]

(PJF419) (01 JUN 76) -

PARAMETRIC DATA

ALPHAW =	8.144	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 419/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(PJF420) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.       ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.094	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 420/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF421) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	12.106	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 421/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(PJF422) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.183	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(PJF423) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.173	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7

F20TS401G5.3.5

(PJF424) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

ALPHAW =	6.153	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 424/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F20TS401G5.3.5

(PJF425) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW =      8.284      RN/L =      1.090
IORB   =      3.000      ELEVON =      .000
BDFLAP =     -11.700
```

RUN NO. 425/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7

F20TS401G5.3.5

(PJF426) (01 JUN 76)

PARAMETRIC DATA

ALPHA	=	10.235	RN/L	=	1.090
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 426/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F20TS401G5.3.5

(PJF427) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.154	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 427/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF428) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.228	RN/L =	1.90
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 428/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF429) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.127	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 429/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(PJF430) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 6.124 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 430/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.341	6.12414	35.05649	-.00218	-.00972	-.00699	-.02875	-.05957	-.04428	.00000
.155	12.653	6.10221	35.16757	-.00189	-.00893	-.00702	-.02471	-.05541	-.04070	.00000
.154	21.650	6.08996	35.03267	-.02121	-.02884	-.02846	-.01856	-.05039	-.03455	.00000
.155	37.601	6.09494	35.22009	-.03624	-.04345	-.04428	-.01355	-.04583	-.02946	.00000
.155	53.336	6.26792	35.28650	-.04239	-.04903	-.05144	-.01099	-.04288	-.02660	.00000
.155	63.784	6.21252	35.21727	-.04552	-.05237	-.05495	-.01107	-.04298	-.02618	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(PJF431) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

ALPHAW = 8.118 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 431/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.340	8.11780	35.09764	-.00747	-.01013	-.00945	-.02913	-.05902	-.04400	.00000
.155	12.013	8.10084	35.20761	-.00874	-.01118	-.01219	-.03009	-.05951	-.04512	.00000
.154	20.136	8.09608	35.10418	-.02103	-.02438	-.02552	-.02779	-.05840	-.04336	.00000
.155	34.186	8.08793	35.45813	-.04450	-.04733	-.05146	-.01980	-.05076	-.03380	.00000
.154	52.856	8.17363	35.02516	-.04943	-.05232	-.05701	-.01905	-.05010	-.03186	.00000
.155	74.027	8.17815	35.17069	-.05863	-.06141	-.06751	-.01499	-.04653	-.02785	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(PJF432) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	10.126	RN/L	=	1.090
STAB	=	-6.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 432/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF433) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.127	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
RDFLAP =	-11.700		

RUN NO. 433/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF434) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.213	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 434/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF435) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.217	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 435/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF436) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.243	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(PJF437) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.082	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF438) (01 JUN 76)

PARAMETRIC DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW	=	10.091	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 438/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.IT57H15.6.1F20TS40IG5.3.5

(PJF439) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	12.115	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 439/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF440) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.293	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 440/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF441) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SO.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

ALPHAW =	4.248	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 441/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF442) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.218	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 442/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(PJF443) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 443/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF444) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.224	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(PJF445) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.120	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

[illegible]

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(PJF446) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.219	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(PJF447) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.139	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

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(PJF448) (01 JUN 76)

PARAMETRIC DATA

ALPHAW	=	6.120	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

[illegible]

(PJF449) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.179	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

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(PJF450) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.056	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(PJF451) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.196	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF452) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.      XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.          YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.          ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.270	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 152/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.217	RN/L =	1.090
STAB =	-2.000	ELEVIR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 453/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF454) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.       ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	6.212	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 454/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF455) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	8.189	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 455/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF456) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.141	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDELAP =	-11.700		

RUN NO. 456/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF457) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SO.FT.      XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.          YMRP = .0000 IN.YC
BREF = 2348.0000 IN.         ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	12.130	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 457/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F20TS40:G5.3.5

(PJF458) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = .205 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 ORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 458/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	11.278	.20543	35.24053	-.00362	-.02397	-.01758	-.02410	-.07210	-.06149	.00000
.155	13.130	.17110	35.27956	-.01250	-.03214	-.02667	-.03432	-.06523	-.05503	.00000
.154	22.944	.12140	35.04582	-.02713	-.04675	-.04166	-.03379	-.06247	-.05261	.00000
.154	32.088	.06516	35.11555	-.03861	-.05717	-.05289	-.03380	-.05800	-.04867	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS40:G5.3.5

(PJF459) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = 4.216 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 ORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 459/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.332	4.21654	35.14727	.00608	-.00872	.00041	-.03388	-.05800	-.04300	.00000
.154	13.496	4.19561	35.06169	.00051	-.01478	-.00590	-.03513	-.05817	-.04278	.00000
.155	22.838	4.17387	35.26021	-.01517	-.02875	-.02159	-.03392	-.05271	-.03740	.00000
.155	38.896	4.13510	35.20510	-.03200	-.04530	-.03974	-.03384	-.04539	-.02994	.00000
.155	53.871	4.21508	35.23310	-.04110	-.05462	-.04983	-.03196	-.04126	-.02531	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF460) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.252	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 460/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF461) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.145	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 461/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF462) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.      ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	10.097	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 462/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF463) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	12.112	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 463/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF464) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	.156	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 464/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF465) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.      XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.          YMRP = .0000 IN.YC
BREF = 2348.0000 IN.         ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHA	=	4.137	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 465/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF466) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.138	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 466/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF467) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.126	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 467/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.340	8.12562	34.93495	-.00826	-.01766	-.00797	-.04038	-.05872	-.04536	.00000
.155	11.959	8.10675	35.26576	-.00788	-.01821	-.00744	-.03882	-.05777	-.04498	.00000
.154	21.342	8.13772	35.12045	-.02607	-.03582	-.02653	-.03368	-.05264	-.03777	.00000
.154	37.305	8.15969	34.84427	-.04336	-.05501	-.04687	-.02572	-.04557	-.02902	.00000
.154	52.799	8.18228	35.14917	-.05205	-.06283	-.05601	.17452	-.04703	-.02951	.00000
.154	73.990	8.20929	35.15698	-.05889	-.06991	-.06312	-.02841	-.04740	-.03945	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00282	.00000	.00000	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF468) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.114	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 468/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF469) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 469/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF470) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.211	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 470/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF471) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.154	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 471/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF472) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.134	RN/L =	1.093
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 472/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF473) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.145	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 473/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF474) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.110	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

[illegible]

(PJF475) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.143	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF476) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.160	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 476/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF477) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.122	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 477/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF478) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	6.123	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 478/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF479) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.107	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 479/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF480) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.145	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF481) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.153	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7

F20TS40IG5.3.5

(PJF482) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.  XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.      YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.145	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 482/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F20TS401G5.3.5

(PJF483) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.103	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 483/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF484) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.140	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

[illegible]

(PJF485) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.130	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7

F20TS401G5.3.5

(PJF486) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = 10.130 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 486/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	11.327	10.12957	35.16484	-.01126	-.02221	-.01043	-.04105	-.06051	-.04611	-.01000
.154	12.303	10.10131	35.06404	-.01395	-.02486	-.01273	-.04286	-.06343	-.04851	-.01000
.154	21.230	10.13737	35.02414	-.02778	-.03920	-.02831	-.03841	-.05995	-.04345	-.01000
.155	37.575	10.12807	35.23943	-.04817	-.05919	-.05059	-.03009	-.05175	-.03351	-.01000
.155	53.010	10.16399	35.29635	-.05728	-.06910	-.06145	-.03136	-.05242	-.03284	-.01000
.154	84.660	10.23953	35.17633	-.06492	-.07651	-.06943	-.03315	-.05456	-.03450	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F20TS401G5.3.5

(PJF487) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

ALPHAW = 12.185 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 487/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	BETA
.154	20.361	12.18494	35.14160	-.04546	-.05455	-.04446	-.05178	-.06961	-.05311	-.01000
.154	23.649	12.16086	35.04520	-.04587	-.05500	-.04375	-.05908	-.07751	-.06142	-.01000
.154	39.661	12.14953	34.84926	-.06847	-.07926	-.07155	-.04563	-.06326	-.04412	-.01000
.154	55.161	12.19496	35.00833	-.07556	-.08593	-.07804	-.04917	-.06752	-.04889	-.01000
.155	97.479	12.32222	35.29399	-.09032	-.10081	-.09317	-.06189	-.07915	-.05984	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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(PJF488) (01 JUN 76)

PARAMETRIC DATA.

ALPHAW =	.166	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 488/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(PJF489) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.115	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 489/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF490) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	6.174	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 490/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF491) (01 JUN 76)

REFERENCE DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.       YMRP  = .0000 IN.YC
BREF  = 2348.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	8.145	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 491/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF492) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHA =	10.122	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 492/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF493) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAI =	-11.700		

RUN NO. 493/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(PJF494) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.161	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF495) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.131	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.090
BOFLAP =	-11.700		

[illegible]

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(PJF496) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF497) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.125	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

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(PJF498) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.133	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF499) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(PJF500) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	.171	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDELAP =	-11.700	GRD PL =	11.000

RUN NO. 500/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF 501) (01 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.131	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 501/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF502) (01 JUN 76)

PARAMETRIC DATA

ALPHA	=	6.158	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 502/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF503) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW	=	8.117	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 503/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(PJF504) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.  XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.      YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

ALPHAW =	10.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 504/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(PJF505) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

```
ALPHAW = 12.118 RN/L = 1.090
STAB = -2.000 ELEVTR = -23.000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700
```

RUN NO. 505/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F20TS40IG5.3.5

(PJF506) (16 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	.111	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700	GP =	11.000

RUN NO. 506/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1157

F20TS401GE.3.5

(PJF507) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

ALPHAW =	4.088	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 507/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F20TS401G5.3.5

(PJF508) (01 JUN 76)

PARAMETRIC DATA

```

SREF  = 5500.0000 SQ.FT.   XMRP  = 1339.9100 IN.XC
LREF  = 327.8000 IN.      YMRP  = .0000 IN.YC
BREF  = 2349.0000 IN.     ZMRP  = 190.7500 IN.ZC
SCALE = .0400

```

ALPHAW =	6.138	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 508/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	O(PSF)		CP1	CP2	CP3	CP4	CP5	CP6	BETA
.155	[1.34]	6.13801	35.36399		.01569	-.00033	.01231	-.02689	-.05144	-.03739	.00000
.154	54.101	6.14705	34.94710		-.03027	-.04580	-.03743	-.01435	-.04144	-.02351	.00000
	GRADIENT	.00000	.00000		.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F20TS401G5.3.5

(PJF509) (01 JUN 76)

PARAMETRIC DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

```
ALPHAW =      8.116      RN/L =      1.090
IORB   =      8.000      ELEVON =     -5.000
BDFLAP =     -11.700
```

RUN NO. 509/ 0 RN/L = .00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K1.2H15.6.1F30G5.3.5TS2

(PJF510) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 GP = 65.000

RUN NO. 510/ 0		RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6	
.154	.294	.00000	35.03235	-.04999	-.07113	-.05792	-.03542	-.07041	-.05098	
.154	1.347	.00000	35.06984	-.04339	-.06046	-.04946	-.03488	-.07078	-.05031	
.154	2.327	.00000	35.17299	-.05109	-.06755	-.05657	-.03470	-.07148	-.04931	
.155	3.318	.00000	35.22056	-.04938	-.06491	-.05409	-.03256	-.06975	-.04722	
.155	4.285	.00000	35.20501	-.06144	-.07524	-.06595	-.02918	-.06847	-.04356	
.154	5.392	.00000	35.02038	-.05926	-.07092	-.06237	-.03520	-.07330	-.04684	
.154	6.367	.00000	35.02539	-.06494	-.07757	-.06912	-.03678	-.07492	-.04895	
.154	7.370	.00000	35.07919	-.07307	-.08178	-.07475	-.04282	-.08153	-.05548	
.154	8.361	.00000	35.16552	-.07803	-.08520	-.07881	-.04765	-.08610	-.05848	
.154	9.500	.00000	35.03036	-.08786	-.09274	-.08738	-.05547	-.09384	-.06546	
.155	10.524	.00000	35.27654	-.09924	-.10358	-.09846	-.06416	-.10199	-.07338	
.154	11.459	.00000	35.18047	-.11003	-.11240	-.10834	-.07373	-.11118	-.08132	
.154	12.488	.00000	35.19465	-.12077	-.12219	-.12006	-.08164	-.11801	-.08927	
	GRADIENT	.00000	.04993	-.00286	-.00122	-.00203	.00148	.00049	.00179	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30G5.3.5T52

(PJF511) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 511/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	.340	.00000	35.05355	-.05518	-.06257	-.06611	-.02877	-.06594	-.05182
.154	1.263	.00000	35.09389	-.05568	-.06293	-.06502	-.02869	-.06569	-.05075
.154	2.383	.00000	35.09566	-.05189	-.05902	-.06051	-.02254	-.05957	-.04306
.154	3.340	.00000	35.08749	-.05096	-.05743	-.05804	-.02551	-.06261	-.04526
.154	4.373	.00000	35.12277	-.05762	-.06354	-.06302	-.02886	-.06540	-.04718
.154	5.469	.00000	35.08103	-.06320	-.06892	-.06776	-.02870	-.06479	-.04449
.154	6.358	.00000	35.12835	-.06644	-.07201	-.06975	-.03363	-.06980	-.04890
.154	7.414	.00000	35.13169	-.07313	-.07750	-.07595	-.03817	-.07505	-.05242
.154	8.489	.00000	35.06700	-.08051	-.08389	-.08169	-.04628	-.08288	-.05934
.154	9.474	.00000	34.98798	-.09294	-.09518	-.09318	-.05238	-.08822	-.06380
.154	10.453	.00000	35.05265	-.10116	-.10370	-.10240	-.05953	-.09487	-.06966
.155	11.505	.00000	35.42344	-.11036	-.11216	-.11163	-.06739	-.10214	-.07519
.154	12.499	.00000	35.10992	-.12301	-.12345	-.12231	-.08645	-.11971	-.09379
	GRADIENT	.00000	.01293	-.00001	.00036	.00130	.00032	.00043	.00148

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30G5.3.5TS2

(PJF512) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 GP = 65.000

RUN NO. 512/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	.293	.00000	35.13202	-.04917	-.05596	-.06130	-.03000	-.06654	-.05407
.155	1.317	.00000	35.20985	-.05065	-.05579	-.05999	-.02805	-.06282	-.04926
.154	2.347	.00000	35.19541	-.05287	-.05833	-.06102	-.02466	-.05968	-.04482
.154	3.300	.00000	35.13672	-.05539	-.06099	-.06237	-.02725	-.06235	-.04575
.154	4.370	.00000	35.12491	-.05801	-.06308	-.06340	-.02886	-.06385	-.04639
.154	5.419	.00000	35.12709	-.06234	-.06720	-.06689	-.03068	-.06570	-.04678
.154	6.501	.00000	35.12081	-.06416	-.06882	-.06752	-.03638	-.07028	-.05055
.154	7.388	.00000	35.17535	-.07581	-.07944	-.07817	-.03922	-.07410	-.05315
.155	8.377	.00000	35.19780	-.08103	-.08419	-.08252	-.04487	-.07876	-.05640
.154	9.399	.00000	35.09176	-.09198	-.09506	-.09296	-.05556	-.08925	-.06566
.154	10.457	.00000	35.18469	-.10176	-.10277	-.10175	-.06328	-.09633	-.07192
.154	11.456	.00000	35.18753	-.11001	-.11237	-.11064	-.07372	-.10652	-.08052
.155	12.459	.00000	35.24396	-.12336	-.12450	-.12298	-.08262	-.11390	-.08798
	GRADIENT	.00000	-.00847	-.00221	-.00191	-.00065	.00031	.00058	.00186

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2

F3065.3.5TS2

(PJF513) (01 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

BETA = .000 RN/L = 1.090
 GP = 65.000

RUN NO. 513/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	.326	.00000	35.17658	-.04416	-.06502	-.05633	-.04127	-.06753	-.05299
.154	1.341	.00000	35.09152	-.04559	-.06499	-.05548	-.03392	-.06020	-.04502
.154	2.452	.00000	35.09557	-.04416	-.06337	-.05329	-.03232	-.05934	-.04282
.154	3.303	.00000	35.16714	-.04433	-.06389	-.05263	-.03605	-.06329	-.04611
.154	4.387	.00000	35.13430	-.05201	-.07039	-.05904	-.03202	-.05965	-.04082
.155	5.361	.00000	35.22659	-.05362	-.07175	-.05902	-.03572	-.06371	-.04322
.154	6.363	.00000	35.14498	-.06357	-.08113	-.06886	-.03814	-.06620	-.04371
.154	7.257	.00000	35.15832	-.06332	-.07995	-.06744	-.04471	-.07306	-.04972
.155	8.419	.00000	35.20236	-.07442	-.09034	-.07717	-.05097	-.07898	-.05569
.154	9.417	.00000	35.12279	-.08150	-.09679	-.08380	-.05593	-.08359	-.05839
.155	10.463	.00000	35.24695	-.08910	-.10483	-.09121	-.06447	-.09182	-.06562
.155	11.473	.00000	35.18892	-.10056	-.11557	-.10213	-.07598	-.10374	-.07621
.155	12.455	.00000	35.23947	-.11466	-.12862	-.11518	-.09078	-.11746	-.08947
	GRADIENT	.00000	-.00147	-.00143	-.00095	-.00026	.00166	.00130	.00235

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

(CA-8) K1.2 TS1

(PJF514) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SQ.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

RUN NO. 514/ 0		RN/L =	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-1.880	.00000	35.22724	-.06597	-.08660	-.08894	-.07403	-.09218	-.08794
.155	.138	.00000	35.25887	-.05979	-.08056	-.07819	-.05807	-.07652	-.06928
.154	4.187	.00000	35.03207	-.05664	-.07408	-.06832	-.03879	-.05728	-.04502
.155	5.220	.00000	35.23642	-.05441	-.06873	-.06402	-.04860	-.06716	-.05338
.155	6.242	.00000	35.24570	-.05337	-.07031	-.06184	-.05016	-.06721	-.05391
.155	7.248	.00000	35.23131	-.06408	-.08086	-.07238	-.05156	-.06863	-.05323
.155	8.267	.00000	35.15472	-.07089	-.08704	-.07837	-.05492	-.07236	-.05568
.155	9.248	.00000	35.22562	-.07006	-.08546	-.07595	-.06110	-.07776	-.06074
.155	10.300	.00000	35.16013	-.08395	-.09895	-.08966	-.06719	-.08333	-.06437
.154	11.292	.00000	35.07180	-.09179	-.10662	-.09706	-.07748	-.09334	-.07292
.154	12.337	.00000	35.07384	-.10140	-.11536	-.10653	-.08388	-.09830	-.07856
	GRADIENT	.00000	-.03559	.00143	.00200	.00326	.00566	.00561	.00692

(CA-8) K1.2 TS1

(PJF515) (01 JUN 76)

REFERENCE DATA

```
SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400
```

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 87.000

[illegible]

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(CA-8) K1.2 TS1

(PJF516) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 45.000

RUN NO. 516/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.146	.00000	35.19509	-.05823	-.07983	-.07749	-.06004	-.07698	-.07010
.155	1.167	.00000	35.21609	-.05357	-.07267	-.07017	-.05295	-.07006	-.06232
.155	2.172	.00000	35.28023	-.05317	-.07250	-.06857	-.04873	-.06498	-.05644
.155	3.187	.00000	35.27707	-.05161	-.06977	-.06510	-.04783	-.06468	-.05410
.155	4.185	.00000	35.31840	-.05195	-.07035	-.06424	-.04887	-.06436	-.05287
.155	5.218	.00000	35.24356	-.05141	-.06985	-.06223	-.04337	-.05889	-.04649
.155	6.224	.00000	35.18029	-.05416	-.07231	-.06344	-.04532	-.06055	-.04727
.154	7.230	.00000	35.06847	-.05683	-.07537	-.06576	-.04920	-.06465	-.04953
.154	8.265	.00000	35.12204	-.06007	-.07889	-.06813	-.05864	-.07367	-.05824
.154	9.261	.00000	35.12986	-.06754	-.08483	-.07471	-.05908	-.07366	-.05627
.154	10.299	.00000	35.11160	-.07285	-.08948	-.07878	-.06778	-.08145	-.06312
.155	11.274	.00000	35.17074	-.08242	-.09985	-.08778	-.07672	-.08965	-.07030
.155	12.320	.00000	35.21696	-.09427	-.11000	-.09981	-.08410	-.09671	-.07701
	GRADIENT	.00000	.03045	.00144	.00217	.00313	.00272	.00304	.00423

(CA-8) K1.2H15.1TS1

(PJF517) (01 JUN 76)

REFERENCE DATA

SREF	=	5500.0000	SO.FT.	XMRP	=	1339.9100	IN.XC
LREF	=	327.8000	IN.	YMRP	=	.0000	IN.YC
BREF	=	2348.0000	IN.	ZMRP	=	190.7500	IN.ZC
SCALE	=	.0400					

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	45.000			

RUN NO. 517/ 0		RN/L =		.00		GRADIENT INTERVAL =		-5.00/ 5.00	
MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.137	.00000	35.22009	-.05513	-.07632	-.07596	-.05249	-.07314	-.06466
.155	1.128	.00000	35.23349	-.05150	-.07126	-.07006	-.04521	-.06585	-.05525
.155	2.148	.00000	35.23881	-.05283	-.07101	-.06904	-.04361	-.06407	-.05259
.155	3.201	.03000	35.19844	-.04698	-.06814	-.06526	-.04074	-.06098	-.04834
.155	4.219	.00000	35.26457	-.05248	-.07026	-.06597	-.03693	-.05746	-.04404
.154	5.235	.00000	35.06920	-.05051	-.06847	-.06343	-.03690	-.05721	-.04285
.155	6.282	.00000	35.15992	-.05411	-.07122	-.06495	-.04332	-.06284	-.04683
.155	7.282	.00000	35.18785	-.05808	-.07596	-.06846	-.04576	-.06518	-.04844
.155	8.306	.00000	35.17097	-.06196	-.07898	-.07151	-.04921	-.06838	-.05033
.155	9.269	.00000	35.25062	-.06758	-.08447	-.07620	-.05606	-.07446	-.05476
.155	10.301	.00000	35.26083	-.07250	-.08879	-.08028	-.06670	-.08546	-.06513
.155	11.303	.00000	35.25845	-.08012	-.09704	-.08739	-.07398	-.09226	-.07115
.155	12.277	.00000	35.41661	-.08956	-.10586	-.09736	-.07828	-.09512	-.07356
GRADIENT		.00000	.00521	.00096	.00148	.00242	.00346	.00353	.00472

(CA-8) KI.2415.1TS

(PJF518) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	87.000			

[illegible]

(CA-8) K1.2H15.1TS1

(PJF519) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 519/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K1.2H15.1TS1

(PJF520) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STA9	=	.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 520/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K1.2H15.1TS1

(PJF521) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 521/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	4.210	.00000	35.18620	-.04904	-.07138	-.06498	-.04531	-.06240	-.04922
.155	5.199	.00000	35.20423	-.05130	-.07317	-.06525	-.04255	-.05943	-.04482
.154	6.226	.00000	35.11639	-.05243	-.07455	-.06566	-.04478	-.06123	-.04555
.155	7.238	.00000	35.16858	-.05685	-.07945	-.06958	-.05058	-.06653	-.05034
.155	8.286	.00000	35.18774	-.06304	-.08443	-.07372	-.05417	-.06974	-.05219
.154	9.262	.00000	35.14573	-.06964	-.09052	-.07947	-.05845	-.07741	-.05914
.154	10.292	.00000	35.13113	-.07415	-.09516	-.08355	-.05342	-.07838	-.05893
.155	11.297	.00000	35.20856	-.08360	-.10453	-.09318	-.05803	-.08916	-.06757
.155	12.319	.00000	35.24397	-.09334	-.11311	-.10274	-.06358	-.09154	-.06984
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS1 (INVERTED)

(PJF522) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 522/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.154	3.030	.00000	34.89915	-.03944	-.05899	-.05425	-.05943	-.07615	-.06498
.155	4.082	.00000	35.15230	-.04096	-.06093	-.05397	-.05310	-.07917	-.06666
.155	5.069	.00000	35.12724	-.04327	-.06305	-.05510	-.05840	-.08395	-.07093
.155	6.068	.00000	35.05611	-.04784	-.06713	-.05732	-.05883	-.08500	-.07044
.154	7.076	.00000	34.94342	-.05327	-.07387	-.06353	-.05755	-.09075	-.07554
.155	8.144	.00000	35.22451	-.06023	-.07952	-.06745	-.05333	-.09844	-.08224
.155	9.151	.00000	35.14043	-.06571	-.08503	-.07174	-.05265	-.10528	-.08776
.155	10.146	.00000	35.20270	-.07639	-.09538	-.08104	-.05307	-.11203	-.09402
.155	11.158	.00000	35.20675	-.08573	-.10430	-.08908	-.05110	-.12445	-.10606
.155	12.177	.00000	35.20213	-.09674	-.11555	-.10032	-.05046	-.13395	-.11350
	GRADIENT	.00000	.24063	-.00144	-.00184	.00027	-.00349	-.00287	-.00160

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(CA-8) K1.2H15.1TS1 (INVERTED)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

(PJF523) (01 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 GP = 65.000

RUN NO. 523/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	3.014	.00000	35.11133	-.04100	-.06080	-.05637	-.06480	-.08105	-.06987
.155	4.031	.00000	35.19226	-.04447	-.06335	-.05661	-.06368	-.08008	-.06737
.155	5.068	.00000	35.06163	-.04681	-.06551	-.05785	-.06585	-.08196	-.06862
.154	6.003	.00000	34.95552	-.05397	-.07291	-.06421	-.07002	-.08589	-.07189
.154	7.035	.00000	34.88716	-.05144	-.07102	-.06099	-.07778	-.09192	-.07692
.155	8.043	.00000	35.26517	-.05782	-.07734	-.05543	-.08025	-.09531	-.07942
.155	9.030	.00000	35.24048	-.06862	-.08747	-.07491	-.08940	-.10341	-.08705
.155	10.019	.00000	35.05571	-.07619	-.09495	-.08094	-.10143	-.11548	-.09746
.155	11.144	.00000	35.06279	-.08794	-.10712	-.09173	-.10986	-.12267	-.10404
.155	12.023	.00000	35.02057	-.09727	-.11534	-.10056	-.11804	-.13022	-.11060
GRADIENT		.00000	.07958	-.00341	-.00251	-.00024	.00110	.00095	.00246

(CA-8) K1.2H15.1TS1 (INVERTED)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

(PJF524) (01 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 GP = 87.000

RUN NO. 524/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-.047	.00000	35.18596	-.04314	-.05497	-.06536	-.07073	-.08650	-.07857
.154	.965	.00000	34.91249	-.04610	-.06634	-.06507	-.06488	-.08188	-.07237
.155	1.800	.00000	35.02462	-.04266	-.06192	-.05963	-.06138	-.07740	-.06767
.155	3.043	.00000	35.16274	-.04284	-.06228	-.05813	-.06443	-.08115	-.07008
.155	3.243	.00000	35.15525	-.04151	-.06069	-.05450	-.06468	-.08048	-.06877
.155	5.019	.00000	35.06452	-.04065	-.06113	-.05205	-.06515	-.08017	-.06721
.155	6.001	.00000	35.13240	-.04540	-.06510	-.05583	-.06679	-.08185	-.06795
.154	6.953	.00000	34.92344	-.04941	-.06977	-.05637	-.07606	-.08065	-.07606
.155	8.074	.00000	35.12067	-.05810	-.07752	-.06542	-.08093	-.08628	-.07942
.155	9.120	.00000	35.25971	-.06042	-.07987	-.06645	-.08820	-.10142	-.08513
.155	9.938	.00000	35.27215	-.07100	-.08969	-.07569	-.09768	-.11063	-.09369
.155	11.102	.00000	35.23498	-.07765	-.09543	-.08073	-.10736	-.11941	-.10191
.155	12.069	.00000	35.19097	-.09046	-.10316	-.09248	-.10790	-.13307	-.11469
GRADIENT		.00000	.01949	.00064	.00124	.00283	.00122	.00123	.00214

CA-8) K1.2H15.1TS1 (INVERTED)

(PJF525) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.      ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

BETA	=	.030	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 525/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00					
MACH	ALPHAW	BETA	Q (PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	3.029	.03000	35.06263	-.04246	-.06229	-.05746	-.06083	-.07730	-.06548
.154	3.906	.03000	34.94003	-.04298	-.06328	-.05691	-.06184	-.07737	-.06530
.155	5.006	.03000	35.08018	-.04671	-.06639	-.05852	-.06534	-.08052	-.06694
.154	6.000	.03000	34.91963	-.04966	-.06909	-.06038	-.06990	-.08404	-.07039
.155	7.120	.04000	35.05382	-.05677	-.07702	-.06610	-.07773	-.09175	-.07657
.155	8.035	.04000	35.26312	-.05609	-.07621	-.06451	-.08004	-.09370	-.07849
.155	9.059	.04000	35.22068	-.06503	-.08502	-.07140	-.08471	-.09768	-.08115
.155	10.113	.04000	35.18735	-.07948	-.09387	-.08448	-.09891	-.11185	-.09398
.155	11.061	.04000	35.19712	-.08543	-.10526	-.08957	-.10933	-.12125	-.10303
.155	12.129	.04000	35.15459	-.09182	-.11185	-.09512	-.11198	-.13085	-.11176
	GRADIENT	.00000	-.13980	-.00059	-.00113	.00063	-.00115	-.00008	.00002

(CA-8) KI.2 TS1 (INVERTED)

(PJF526) (01 JUN 76)

REFERENCE DATA

```

SREF = 5500.0000 SQ.FT.   XMRP = 1339.9100 IN.XC
LREF = 327.8000 IN.       YMRP = .0000 IN.YC
BREF = 2348.0000 IN.     ZMRP = 190.7500 IN.ZC
SCALE = .0400

```

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 45.000

[illegible]

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(CA-8) K1.2 TSI (INVERTED)

(PJF527) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 SREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 65.000

RUN NO. 527/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	2.958	.00000	25.03711	-.04399	-.06258	-.05821	-.06057	-.07268	-.06781
.154	3.951	.00000	34.92312	-.04347	-.05286	-.05585	-.05914	-.07601	-.05502
.154	5.036	.00000	34.87945	-.04947	-.06781	-.05983	-.06589	-.08259	-.05983
.155	6.015	.00000	35.03737	-.05387	-.07223	-.06365	-.06842	-.08520	-.07134
.155	7.031	.00000	35.14386	-.05657	-.07539	-.06468	-.07472	-.09118	-.07592
.155	8.126	.00000	35.22279	-.05657	-.07906	-.06707	-.07880	-.09505	-.07912
.155	9.045	.00000	35.23544	-.06024	-.07906	-.06707	-.07880	-.09505	-.07912
.155	10.022	.00000	35.23766	-.07177	-.09023	-.07763	-.08579	-.10157	-.08472
.155	11.151	.00000	35.18616	-.07907	-.09640	-.08327	-.09554	-.10982	-.09237
.155	12.122	.00000	35.22754	-.08703	-.10483	-.08999	-.10664	-.12036	-.10229
GRADIENT		.00000	-.11365	-.09967	-.11128	-.10202	-.11898	-.13295	-.11365
				.00052	-.00028	.00235	.00153	.00266	.00278

(CA-8) K1.2 TSI (INVERTED)

(PJF528) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 SREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 87.000

RUN NO. 528/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	-.049	.00000	34.98914	-.04507	-.06408	-.06593	-.06719	-.08455	-.07561
.155	1.031	.00000	35.32740	-.04622	-.06462	-.06438	-.06174	-.08043	-.06978
.155	2.058	.00000	34.99799	-.04379	-.06129	-.05999	-.06305	-.08096	-.07040
.155	3.067	.00000	35.05388	-.04248	-.06047	-.05631	-.06039	-.07794	-.06668
.155	4.094	.00000	35.10337	-.04140	-.05898	-.05327	-.06573	-.08262	-.06988
.155	5.112	.00000	35.14249	-.04885	-.06545	-.05979	-.06721	-.08445	-.07059
.155	6.024	.00000	35.03018	-.05072	-.06811	-.06016	-.07117	-.08801	-.07371
.155	7.072	.00000	35.09025	-.05609	-.07324	-.06346	-.07659	-.09366	-.07862
.155	8.069	.00000	35.15219	-.06066	-.07789	-.06636	-.08537	-.10144	-.08546
.155	9.989	.00000	35.07390	-.06529	-.08316	-.07080	-.08731	-.10371	-.08682
.155	10.110	.00000	35.12719	-.07369	-.09012	-.07688	-.09615	-.11136	-.09336
.155	11.123	.00000	34.98255	-.08725	-.10372	-.08954	-.10926	-.12359	-.10537
.155	12.137	.00000	35.09097	-.09592	-.11185	-.09763	-.11864	-.13350	-.11432
GRADIENT		.00000	-.00377	.00107	.00139	.00323	.00043	.00062	.00142

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(CA-8) K1.2 TS2F30 (INVERTED)

(PJF529) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 65.000

RUN NO. 529/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	3.198	.00000	35.04157	-.03718	-.05500	-.04259	-.05681	-.08217	-.06379
.155	4.240	.00000	35.01809	-.04519	-.06195	-.04892	-.05823	-.08611	-.06626
.154	5.261	.00000	34.95654	-.05246	-.06739	-.05455	-.06089	-.08853	-.06763
.155	6.287	.00000	35.08374	-.05917	-.07212	-.05875	-.06603	-.09562	-.07306
.155	7.274	.00000	35.04965	-.06356	-.07566	-.06153	-.07228	-.10123	-.07784
.155	8.345	.00000	35.09540	-.07509	-.08609	-.07168	-.08443	-.11353	-.08967
.155	9.233	.00000	35.15968	-.08474	-.09529	-.08115	-.09173	-.12139	-.09570
.155	10.296	.00000	35.10115	-.09796	-.10764	-.09378	-.10126	-.13065	-.10456
.155	11.269	.00000	35.08501	-.10715	-.11551	-.10167	-.11544	-.14482	-.11921
.155	12.225	.00000	34.98990	-.12253	-.12969	-.11722	-.12588	-.15487	-.12826
	GRADIENT	.00000	-.02254	-.00769	-.00667	-.00607	-.00136	-.00378	-.00237

(CA-8) K1.2 TS2F30 (INVERTED)

(PJF530) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 87.000

RUN NO. 530/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.179	.00000	35.24062	-.04221	-.05206	-.05436	-.04930	-.07942	-.06509
.154	1.135	.00000	34.90961	-.04133	-.05045	-.05221	-.04867	-.07870	-.06330
.155	2.230	.00000	35.23469	-.04080	-.05001	-.04911	-.04999	-.07982	-.06408
.155	3.161	.00000	35.22725	-.04105	-.04934	-.04743	-.05068	-.08100	-.06394
.155	4.169	.00000	35.12281	-.04595	-.05367	-.05115	-.04864	-.07879	-.06106
.155	5.319	.00000	35.11061	-.04975	-.05714	-.05412	-.05390	-.08369	-.06524
.155	6.169	.00000	35.12980	-.05635	-.05398	-.05905	-.06250	-.09277	-.07336
.155	7.300	.00000	35.02067	-.06274	-.06253	-.06384	-.07051	-.09984	-.07900
.155	8.338	.00000	35.01705	-.07168	-.07759	-.07108	-.07830	-.10816	-.08711
.154	9.300	.00000	34.89341	-.08126	-.08672	-.07901	-.08693	-.11544	-.09356
.155	10.313	.00000	35.43446	-.09181	-.09520	-.08876	-.09439	-.12297	-.10066
.155	11.339	.00000	35.21032	-.09933	-.10427	-.09626	-.10335	-.13184	-.10563
.155	12.313	.00000	35.19335	-.11440	-.11952	-.10915	-.12475	-.15246	-.12910
	GRADIENT	.00000	.00964	-.00071	-.00321	.00113	-.00007	-.00011	.00073

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(CA-8) K1.2H15.1TS2F30 (INVERTED)

(PJF531) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 GP = 65.000

RUN NO. 531/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	3.218	.00000	35.28066	-.04076	-.05745	-.04557	-.05238	-.07855	-.05854
.155	4.134	.00000	35.20792	-.04822	-.06219	-.05063	-.05481	-.08213	-.06092
.155	5.225	.00000	35.15632	-.05047	-.06412	-.05170	-.06218	-.08981	-.06788
.155	6.319	.00000	35.11450	-.06181	-.07386	-.06210	-.06687	-.09538	-.07213
.154	7.246	.00000	34.97325	-.06843	-.07956	-.06791	-.07570	-.10443	-.08036
.154	8.156	.00000	34.95090	-.07671	-.08631	-.07451	-.08459	-.11298	-.08821
.155	9.389	.00000	35.05263	-.08844	-.09771	-.08406	-.09780	-.12573	-.10140
.155	10.242	.00000	35.02911	-.09632	-.10539	-.09220	-.10358	-.13055	-.10493
.154	11.225	.00000	34.97616	-.10722	-.11594	-.10294	-.11361	-.14110	-.11539
.155	12.326	.00000	35.01792	-.12394	-.13142	-.11860	-.12850	-.15521	-.12886
GRADIENT		.00000	-.07941	-.00814	-.00517	-.00552	-.00265	-.00391	-.00260

(CA-8) K1.2H15.1TS2F30 (INVERTED)

(PJF532) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTP = .000
 GP = 87.000

RUN NO. 532/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00. 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.170	.00000	35.11479	-.04177	-.05233	-.05365	-.04959	-.07819	-.06319
.154	1.131	.00000	34.79632	-.04398	-.05346	-.05413	-.04663	-.07477	-.05890
.155	2.165	.00000	35.07005	-.04040	-.05104	-.04884	-.05014	-.07799	-.06146
.155	3.129	.00000	35.09649	-.04456	-.05465	-.05058	-.05098	-.07885	-.06126
.155	4.237	.00000	35.15192	-.04639	-.05568	-.05118	-.05426	-.08173	-.06383
.155	5.262	.00000	35.10707	-.05236	-.06197	-.05591	-.05778	-.08518	-.06587
.155	6.254	.00000	35.10369	-.05275	-.06243	-.05475	-.06370	-.09045	-.07059
.155	7.198	.00000	35.09876	-.05910	-.06910	-.06043	-.06850	-.09534	-.07475
.155	8.320	.00000	35.01245	-.06916	-.07784	-.06822	-.08083	-.10748	-.08578
.155	9.307	.00000	35.03613	-.07512	-.08352	-.07291	-.08591	-.11291	-.09091
.155	10.242	.00000	35.14481	-.08760	-.09534	-.08436	-.09633	-.12128	-.09856
.155	11.216	.00000	35.18188	-.10090	-.10826	-.09626	-.11186	-.13636	-.11294
.155	12.303	.00000	35.05555	-.11410	-.12205	-.11007	-.12422	-.14867	-.12456
GRADIENT		.00000	.03779	-.00097	-.00078	.00083	-.00136	-.00111	-.00038

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(CA-8) K1.2H15.1TS2F30 (INVERTED)

(PJF533) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.X
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 533/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	3.141	.00000	35.22581	-.04639	-.05506	-.05346	-.05047	-.07784	-.06105
.155	4.206	.00000	34.98912	-.05075	-.05995	-.05597	-.05397	-.08021	-.06277
.155	5.268	.00000	35.27457	-.05254	-.06157	-.05638	-.06054	-.08627	-.06831
.155	6.257	.00000	35.14696	-.06091	-.06967	-.06305	-.06405	-.08971	-.07035
.155	7.216	.00000	35.12172	-.06866	-.07730	-.07000	-.07209	-.09760	-.07737
.155	8.313	.00000	35.07239	-.07963	-.08800	-.07966	-.08588	-.11155	-.09027
.155	9.334	.00000	35.111475	-.08665	-.09498	-.08459	-.09307	-.11469	-.09252
.155	10.338	.00000	35.01777	-.09682	-.10404	-.09387	-.10226	-.12610	-.10307
.155	11.242	.00000	35.05385	-.11293	-.11977	-.10969	-.11648	-.14061	-.11632
.155	12.256	.00000	34.99480	-.12489	-.13197	-.12071	-.12997	-.15330	-.12903
GRADIENT		.00000	-.22224	-.00409	-.00459	-.00236	-.00329	-.00223	-.00162

(CA-8) K1.2H15.1TS2F30 (INVERTED)

(PJF534) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 87.000

RUN NO. 534/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	1.07	.00000	35.14962	-.04198	-.05043	-.05421	-.04951	-.07563	-.06219
.154	1.181	.00000	34.94798	-.04232	-.05038	-.05199	-.04631	-.07207	-.05835
.155	2.151	.00000	35.15066	-.04505	-.05362	-.05297	-.04904	-.07485	-.05976
.155	3.231	.00000	35.07041	-.04411	-.05310	-.05093	-.05263	-.07745	-.06122
.155	4.100	.00000	35.22284	-.04695	-.05529	-.05207	-.05205	-.07761	-.06043
.155	5.250	.00000	35.20051	-.04886	-.05786	-.05203	-.05323	-.08269	-.06508
.155	6.160	.00000	35.14401	-.05467	-.06302	-.05623	-.06428	-.08887	-.06933
.155	7.241	.00000	35.15192	-.06191	-.07102	-.06180	-.07448	-.09882	-.07888
.155	8.317	.00000	35.18438	-.06706	-.07483	-.06568	-.08169	-.10636	-.08593
.155	9.229	.00000	35.08203	-.08190	-.08980	-.07956	-.09495	-.11849	-.09724
.155	10.226	.00000	35.16767	-.09039	-.09778	-.08593	-.10010	-.12328	-.10132
.155	11.364	.00000	35.10368	-.10110	-.10809	-.09588	-.11134	-.13622	-.11397
.155	12.381	.00000	35.19240	-.11653	-.12378	-.11163	-.12615	-.15037	-.12731
GRADIENT		.00000	.02513	-.00115	-.00123	.00055	-.00113	-.00092	.00007

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(CA-8) KI.2H15.6.1F30TS4 (INVERTED)

(PJF535) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 GP = 87.000

RUN NO. 535/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.155	.111	.00000	35.19751	-.02754	-.04758	-.04113	-.05531	-.07783	-.06227
.154	1.208	.00000	34.85370	-.03471	-.05080	-.04379	-.04903	-.07424	-.05715
.155	2.145	.00000	34.97260	-.03621	-.05216	-.04362	-.05082	-.07658	-.05776
.155	3.060	.00000	35.35006	-.03937	-.05434	-.04454	-.05334	-.08061	-.06062
.155	4.169	.00000	34.99555	-.04315	-.05533	-.04810	-.05395	-.08128	-.06150
.155	5.274	.00000	35.27515	-.04760	-.05860	-.05075	-.05759	-.08480	-.06456
.155	6.270	.00000	35.25008	-.05148	-.06300	-.05341	-.06195	-.08957	-.06765
.155	7.274	.00000	35.14056	-.06319	-.07426	-.06461	-.07088	-.09808	-.07584
.155	8.273	.00000	35.14471	-.06767	-.07769	-.06669	-.08200	-.10898	-.08518
.155	9.262	.00000	35.09811	-.07785	-.08792	-.07633	-.08943	-.11548	-.09280
.155	10.276	.00000	34.97481	-.08680	-.09636	-.08441	-.09922	-.12533	-.10138
.154	11.376	.00000	34.82806	-.10215	-.11120	-.09919	-.11077	-.13635	-.11199
.155	12.294	.00000	35.17552	-.11123	-.12066	-.10759	-.12552	-.15015	-.12517
GRADIENT	.00000	.00000	.00493	-.00362	-.00191	-.00149	-.00012	-.00130	-.00017

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(CA-8) K1.2H15.6.1F30TS4 (INVERTED)

(PJF536) (01 JUN 76)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN.XC
 LREF = 327.8000 IN. YMRP = .0000 IN.YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN.ZC
 SCALE = .0400

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 87.000

RUN NO. 536/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	CP1	CP2	CP3	CP4	CP5	CP6
.156	.129	.00000	35.50093	-.03744	-.04903	-.05138	-.05076	-.07717	-.06324
.155	1.132	.00000	35.00890	-.03997	-.05025	-.05041	-.04343	-.07162	-.05558
.154	2.079	.00000	34.91749	-.04307	-.05343	-.05275	-.04751	-.07440	-.05871
.155	3.277	.00000	34.98807	-.04245	-.05305	-.04975	-.05124	-.07742	-.06002
.155	4.145	.00000	35.14371	-.04230	-.05317	-.04872	-.05133	-.07734	-.05938
.155	5.168	.00000	35.10215	-.04842	-.05785	-.05243	-.05369	-.07992	-.06117
.155	6.245	.00000	35.03547	-.05102	-.06145	-.05425	-.06183	-.08777	-.06812
.155	7.212	.00000	35.15631	-.05694	-.06711	-.05884	-.07424	-.09981	-.07942
.155	8.181	.00000	35.15103	-.06428	-.07332	-.06451	-.07539	-.10068	-.07927
.155	9.238	.00000	35.08341	-.07164	-.08108	-.07024	-.08903	-.11414	-.09252
.155	10.335	.00000	35.06542	-.08754	-.09720	-.08511	-.10048	-.12490	-.10207
.155	11.257	.00000	34.99908	-.09988	-.10940	-.09649	-.11351	-.13727	-.11398
.155	12.262	.00000	35.10191	-.10979	-.11865	-.10658	-.12538	-.14831	-.12535
	GRADIENT	.00000	-.07167	-.00119	-.00108	.00060	-.00091	-.00063	.00030

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS2F30H15.6.1G5.3.5TS401

(TJF035) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 35/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-1.823	.00000	35.19511	-1.23416	-.34298	.02062	.06686	-.00897	.00095	.00152
.155	.272	.00000	35.12685	.82635	-.30015	.00772	.07293	-.00713	.00088	.00177
.155	2.367	.00000	35.20501	2.88808	-.24719	-.00250	.07988	-.01075	.00071	.00139
.155	4.461	.00000	35.16323	4.95175	-.19642	-.01024	.08584	-.00865	.00054	.00143
.155	6.438	.00000	35.23844	6.90443	-.14115	-.01419	.09181	-.00892	.00058	.00148
.155	8.528	.00000	35.25476	8.95039	-.07678	-.01426	.09821	-.00915	.00043	.00132
.155	10.488	.00000	35.30162	10.87273	-.01432	-.01057	.10387	-.00886	.00036	.00169
.155	12.534	.00000	35.11212	12.89790	-.06464	-.00023	.11036	-.00875	.00039	.00203
.155	14.535	.00000	35.21880	14.89526	.12927	.01272	.11673	-.00691	.00035	.00187
.155	16.519	.00000	35.26246	16.90535	.20483	.03224	.12308	-.00711	.00054	.00188
.155	18.655	.00000	35.34393	19.03858	.28660	.05903	.13453	-.00831	.00057	.00189
.156	20.590	.00000	35.47587	20.98604	.35430	.08823	.14670	-.00991	.00049	.00195
.156	22.658	.00000	35.61697	23.08262	.41143	.11775	.16560	-.00835	.00071	.00167
.156	24.603	.00000	35.78959	25.06576	.43317	.13614	.19337	-.00436	-.00057	.00276
.157	26.806	.00000	35.98137	27.31477	.43605	.15207	.22149	-.00816	-.00124	.00404
	GRADIENT	.00000	-.00083	.98436	.02352	-.00491	.00305	-.00013	-.00007	-.00003

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(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(TJF036) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 36/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00									
MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL			
.155	-1.791	.00000	35.21870	-1.20143	-.34278	.02053	.06673	-.00594	.00109	.00147			
.155	.264	.00000	35.24866	.81707	-.30184	.00760	.07323	-.00761	.00081	.00162			
.155	2.330	.00000	35.22441	2.85972	-.25415	-.00249	.07964	-.00834	.00050	.00127			
.155	4.420	.00000	35.24625	4.92234	-.19953	-.00986	.08611	-.00672	.00034	.00135			
.155	6.488	.00000	35.27711	6.95954	-.13796	-.01389	.09267	-.00703	.00035	.00130			
.155	8.574	.00000	35.33472	9.00380	-.07051	-.01392	.09823	-.00768	.00036	.00145			
.155	10.564	.00000	35.16901	10.96030	-.01558	-.01080	.10411	-.00639	.00039	.00161			
.155	12.592	.00000	34.97262	12.97009	.06193	-.00098	.11197	-.00542	.00027	.00185			
.155	14.565	.00000	35.13128	14.93774	.13557	.01405	.11763	-.00596	.00029	.00200			
.155	16.595	.00000	35.27169	16.96665	.21289	.03423	.12610	-.00661	.00061	.00140			
.156	18.587	.00000	35.42153	18.97242	.28536	.05882	.13451	-.00639	.00050	.00160			
.156	20.559	.00000	35.61032	20.96511	.34954	.08709	.14528	-.00608	.00021	.00166			
.156	22.594	.00000	35.59977	23.02738	.40676	.11644	.16314	-.00697	.00061	.00136			
.156	24.641	.00000	35.57815	25.11325	.42902	.13566	.19011	-.00763	-.00009	.00262			
.156	26.788	.00000	35.54711	27.30597	.43585	.15135	.22336	-.00592	-.00154	.00397			
	GRADIENT	.00000	.00282	.98623	.02307	-.00489	.00312	-.00015	-.00012	-.00003			

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(CA-8) K2V9.1.2T55F30H15.6.1G5.3.5T5401

(TJF037) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 37/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.826	.00000	35.03682	-1.23513	-.34460	.02120	.06724	-.00892	.00117	.00134
.155	.286	.00000	35.16246	.84540	-.29914	.00816	.07319	-.01066	.00062	.00147
.155	2.419	.00000	35.22397	2.94725	-.24722	-.00218	.08041	-.01083	.00044	.00132
.155	4.444	.00000	35.35779	4.94881	-.19727	-.00910	.08641	-.00959	.00048	.00127
.155	6.492	.00000	35.30964	6.97135	-.13690	-.01356	.09283	-.00992	.00048	.00152
.155	8.630	.00000	35.11768	9.06316	-.07148	-.01342	.09912	-.00970	.00037	.00098
.155	10.528	.00000	35.25425	10.92647	-.01289	-.01057	.10475	-.00787	.00042	.00137
.155	12.598	.00000	35.24904	12.98212	.05405	-.00165	.11023	-.00974	.00042	.00139
.155	14.653	.00000	35.20879	15.03081	.13628	.01473	.11766	-.00837	.00042	.00160
.155	16.534	.00000	35.27729	16.90535	.20963	.03383	.12548	-.00858	.00061	.00155
.156	18.567	.00000	35.47111	18.96001	.28391	.05875	.13441	-.00831	.00064	.00130
.156	20.587	.00000	35.51905	20.99442	.35202	.08789	.14676	-.00711	.00008	.00181
.156	22.589	.00000	35.61685	23.00613	.41139	.11758	.16427	-.00720	-.00010	.00185
.156	24.574	.00000	35.62066	25.05280	.43910	.13515	.19210	-.00475	-.00018	.00256
.156	26.784	.00000	35.63990	27.29716	.43538	.15199	.22094	-.00610	-.00295	.00400
.156	GRADIENT	.00000	.04886	.98618	.02358	-.00484	.00309	-.00011	-.00011	-.00002

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PAGE 670

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(TJF038) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 38/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.726	.00000	35.11492	-2.12331	-.35643	.02729	.06460	-.00907	.00124	.00157
.155	.283	.00000	35.07360	.84149	-.29995	.00874	.07288	-.01017	.00068	.00139
.155	2.405	.00000	34.98438	2.93258	-.24620	-.00222	.07975	-.01088	.00053	.00134
.155	4.477	.00000	34.98251	4.97823	-.19855	-.00936	.08579	-.01019	.00052	.00124
.155	5.516	.00000	35.08261	6.00284	-.16477	-.01180	.08950	-.00915	.00035	.00119
.155	6.251	.00000	35.09260	6.72535	-.14709	-.01311	.09154	-.00757	.00043	.00112
.155	7.511	.00000	35.04211	7.96261	-.10730	-.01357	.09471	-.00888	.00040	.00140
.155	8.519	.00000	35.02648	8.95039	-.07744	-.01341	.09753	-.00827	.00029	.00130
.155	9.474	.00000	35.06267	9.87740	-.04814	-.01232	.10096	-.00860	.00032	.00133
.155	10.585	.00000	35.10584	10.97424	-.01132	-.00945	.10399	-.00794	.00026	.00173
.155	11.578	.00000	35.11659	11.95732	.02391	-.00532	.10684	-.00719	.00031	.00157
.155	12.584	.00000	35.09869	12.96207	.06057	.00008	.11038	-.00888	.00022	.00178
.155	13.578	.00000	35.18785	13.95280	.09939	.00723	.11291	-.00853	.00030	.00194
.155	14.624	.00000	35.23168	14.99843	.14165	.01587	.11784	-.00795	.00023	.00179
.155	15.637	.00000	35.25011	16.00450	.18365	.02664	.12177	-.00877	.00043	.00167
.155	16.611	.00000	35.32553	16.97891	.21592	.03584	.12496	-.00960	.00047	.00175
.155	17.637	.00000	35.44014	18.01188	.25544	.04851	.12967	-.00844	.00063	.00133
.156	19.688	.00000	35.50448	19.07167	.29382	.06230	.13583	-.00739	.00045	.00133
.156	19.477	.00000	35.31677	19.86787	.32365	.07432	.14090	-.00589	.00005	.00227
.156	20.515	.00000	35.39950	20.91487	.35411	.08891	.14601	-.00898	.00058	.00137
.156	21.579	.00000	35.42426	21.99458	.38373	.10351	.15370	-.00933	.00022	.00192
.156	22.577	.00000	35.38790	23.03613	.41110	.11830	.16411	-.00857	.00031	.00180
.156	23.661	.00000	35.43000	24.12388	.42582	.12965	.18033	-.00853	.00024	.00215
.156	24.594	.00000	35.68987	25.07439	.43213	.13637	.19375	-.00516	.00001	.00234
.157	25.617	.00000	35.96654	26.11510	.43874	.14479	.20519	-.00624	-.00053	.00284
.157	26.972	.00000	35.88442	27.49990	.43018	.15124	.22957	-.00569	-.00134	.00335
GRADIENT		.00000	-.02044	.98584	.02209	-.00515	.00296	-.00018	-.00010	-.00004

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR.

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 671

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(TJF039) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 39/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.766	.00000	35.32217	-2.20590	-.35543	.02897	.06274	-.00754	.00100	.00108
.155	.311	.00000	35.23015	.82879	-.29557	.01035	.07121	-.00884	.00054	.00119
.155	2.372	.00000	35.31679	2.86363	-.24248	.00014	.07835	-.00788	.00032	.00102
.155	4.379	.00000	35.22171	4.84978	-.19256	-.00637	.08433	-.00719	.00042	.00108
.155	6.461	.00000	35.15206	6.90049	-.13424	-.01034	.09099	-.00555	.00030	.00120
.155	8.449	.00000	35.15371	8.85347	-.07072	-.01012	.09638	-.00547	.00023	.00128
.155	10.493	.00000	35.17217	10.86278	-.01104	-.00710	.10231	-.00533	.00028	.00144
.155	12.544	.01000	35.24128	12.90392	.06467	.00315	.10915	-.00757	.00034	.00175
.155	14.532	.01000	35.18944	14.88515	.14011	.01843	.11599	-.00633	.00055	.00166
.155	16.588	.01000	35.33974	16.94621	.21225	.03790	.12332	-.00758	.00037	.00178
.155	18.585	.01000	35.33040	18.95588	.28997	.06348	.13312	-.00635	.00038	.00161
.156	20.604	.01000	35.48951	20.99442	.35299	.09137	.14439	-.00664	.00054	.00128
.156	22.576	.01000	35.65457	23.00613	.40867	.12005	.16169	-.00752	.00019	.00189
.157	24.546	.01000	35.91252	25.02691	.43313	.13906	.19050	-.00679	-.00046	.00222
.157	26.727	.01000	36.23373	27.25756	.43716	.15386	.22344	-.00992	-.00184	.00335
GRADIENT		.00000	-.00962	.98741	.02288	-.00501	.00305	.00006	-.00009	-.00001

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 672

(CA-8) K2V9.1.2TS5F30H15.6.1G5.3.5TS401

(TJF040) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 10.000
 ICRB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 40/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-2.738	.00000	35.21890	-2.16240	-.35654	.02849	.06364	-.00848	.00116	.00100
.155	.307	.00000	35.17788	.84247	-.29781	.00983	.07277	-.03737	.00050	.00114
.155	2.336	.00000	35.16430	2.84309	-.24887	-.00022	.07826	-.00939	.00032	.00088
.155	4.382	.00000	35.15030	4.85547	-.19386	-.00702	.08539	-.03729	.00022	.00100
.155	6.461	.00000	35.15782	6.91427	-.13609	-.01115	.09121	-.00803	.00029	.00091
.155	8.427	.00000	35.13839	8.84358	-.07780	-.01192	.09715	-.03693	.00028	.00096
.155	10.430	.00000	35.17839	10.81503	-.01421	-.00808	.10328	-.00582	.00028	.00153
.155	12.511	.00000	35.18148	12.87384	.06058	.00166	.10987	-.00613	.00026	.00153
.155	14.525	.00000	35.20592	14.88717	.13243	.01594	.11583	-.00689	.00029	.00163
.155	16.551	.00000	35.23737	16.90944	.21489	.03714	.12440	-.00706	.00062	.00132
.155	18.564	.00000	35.33929	18.93521	.28057	.06051	.13271	-.00726	.00058	.00133
.155	20.577	.00000	35.46984	20.96929	.35386	.09024	.14548	-.00528	.00019	.00153
.156	22.598	.00000	35.64310	23.01868	.40882	.11972	.16279	-.00564	.00031	.00180
.156	24.524	.00000	35.89908	25.03533	.43060	.13723	.19110	-.00535	-.00054	.00243
.157	26.761	.00000	36.22872	27.27956	.43305	.15218	.22213	-.00749	-.00176	.00339
	GRADIENT	.00000	-.00957	.98695	.02277	-.00505	.00302	.00007	-.00013	-.00001

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 673

(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF041) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -10.000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 41/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.711	.00000	35.22022	-2.07933	-.36189	.02600	.06499	-.00659	.00083	.00118
.155	.308	.00000	35.18514	.89717	-.30304	.00702	.07362	-.00735	.00050	.00114
.155	2.318	.00000	35.163F3	2.87634	-.25394	-.00305	.07986	-.00538	.00044	.00122
.155	4.334	.00000	35.15437	4.86449	-.20224	-.00962	.08631	-.00475	.00030	.00148
.155	6.370	.00000	35.14037	6.86408	-.14179	-.01365	.09236	-.00557	.00027	.00124
.155	8.478	.00000	35.13870	8.91478	-.07844	-.01435	.09894	-.00394	.00024	.00109
.155	10.403	.00000	35.14232	10.83095	-.01925	-.01141	.10442	-.00537	.00014	.00120
.155	12.528	.00000	35.14275	12.93600	.05997	-.00086	.11115	-.00467	.00020	.00136
.155	14.498	.00000	35.15531	14.89324	.12892	.01253	.11712	-.00541	.00028	.00167
.155	16.542	.00000	35.19499	16.92987	.20538	.03216	.12557	-.00419	.00032	.00121
.155	18.556	.00000	35.26868	18.95588	.28312	.05775	.13559	-.00534	.00039	.00171
.155	20.539	.00000	35.39265	20.96092	.34618	.09544	.14664	-.00526	.00021	.00159
.156	22.560	.00000	35.55376	23.01463	.40396	.11544	.16301	-.00366	.00013	.00154
.156	24.549	.00000	35.80602	25.04417	.43065	.13533	.19273	-.00150	-.00069	.00267
.157	26.988	.00000	36.15034	27.53067	.42837	.15066	.22629	-.00407	-.00194	.00382
	GRADIENT	.00000	-.00953	.98556	.02265	-.00512	.00302	.00030	-.00007	.00004

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 674

(CA-8) K2V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF042) (07 JUN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 42/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.695	.00000	35.23322	-2.04562	-.36166	.02499	.00593	-.00702	.00100	.00141
.155	.231	.00000	35.19189	.83563	-.30279	.00643	.07320	-.00730	.00070	.00143
.155	2.277	.00000	35.17455	2.86461	-.25559	-.00381	.00054	-.00684	.00050	.00118
.155	4.303	.00000	35.16452	4.85076	-.20741	-.01124	.00773	-.00576	.00021	.00138
.155	6.398	.00000	35.14517	6.89458	-.14549	-.01558	.00258	-.00752	.00033	.00068
.155	8.435	.00000	35.13759	8.88709	-.08171	-.01558	.00860	-.00542	.00026	.00119
.155	10.491	.00000	35.13743	10.92249	-.01406	-.01208	.10522	-.00683	.00022	.00122
.155	12.499	.00000	35.15916	12.91996	.04986	-.00386	.11088	-.00559	.00032	.00154
.155	14.476	.00000	35.15257	14.87908	.12910	.01126	.11777	-.00490	.00039	.00126
.155	16.522	.00000	35.18370	16.92169	.20687	.03144	.12610	-.00564	.00034	.00167
.155	18.522	.00000	35.25694	18.93108	.27487	.05469	.13469	-.00534	.00041	.00141
.155	20.525	.00000	35.37601	20.96092	.34459	.08406	.14654	-.00710	.00065	.00102
.156	22.571	.00000	35.52603	23.03162	.40486	.11428	.16380	-.00369	-.00002	.00189
.156	24.513	.00000	35.76056	25.01828	.42483	.13215	.19054	-.00237	-.00028	.00215
.157	27.012	.00000	36.11764	27.56155	.42736	.15014	.22358	-.00645	-.00202	.00464
	GRADIENT	.00000	-.00963	.96603	.02205	-.00522	.00313	.00017	-.00011	-.00001

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5F30G5.3.5TS401

(TJF043) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 ICRB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 43/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.853	.00000	35.21008	-2.24206	-.36093	.02857	.06492	-.00602	.00108	.00122
.155	.334	.00000	35.17744	.89620	-.29572	.00908	.07416	-.00753	.00076	.00113
.155	2.341	.00000	35.16485	2.87585	-.24777	-.00120	.08090	-.00633	.00050	.00123
.155	4.399	.00000	35.15657	4.90959	-.19635	-.00821	.08734	-.00693	.00027	.00099
.155	6.414	.00000	35.15086	6.89655	-.13470	-.01232	.09335	-.00603	.00027	.00129
.155	8.447	.00000	35.16034	8.89105	-.07811	-.01264	.09790	-.00605	.00042	.00124
.155	10.436	.00000	35.16729	10.83692	-.01670	-.01003	.10482	-.00669	.00043	.00094
.155	12.474	.00000	35.16614	12.85580	.05744	-.00048	.10976	-.00663	.00055	.00146
.155	14.512	.00000	35.18556	14.89324	.13410	.01446	.11706	-.00679	.00045	.00131
.155	16.532	.00000	35.22749	16.90535	.21020	.03415	.12487	-.00793	.00071	.00139
.155	18.562	.00000	35.30599	18.95175	.28654	.05972	.13458	-.00570	.00073	.00109
.155	20.592	.00000	35.43970	20.99861	.35085	.08683	.14495	-.00589	.00034	.00165
.156	22.563	.00000	35.60903	23.00189	.40756	.11561	.16325	-.00584	.00055	.00154
.156	24.521	.00000	35.88766	25.00533	.42899	.13338	.19069	-.00576	.00010	.00162
.157	26.939	.00000	36.18874	27.47776	.42927	.15032	.22417	-.00524	-.00205	.00497
	GRADIENT	.00000	-.00746	.98609	.02266	-.00514	.00310	-.00008	-.00011	-.00002

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 676

(CA-8) K3V9.1.2TS5

F30G5.3.5TS401

(TJF044) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 44/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.865	.00000	35.20323	.77751	-.17841	.02340	.07476	-.00650	.00077	.00124
.155	.349	.00000	35.17302	3.94741	-.11052	.01218	.08733	-.00611	.00037	.00138
.155	2.318	.00000	35.16258	5.89381	-.06016	.00835	.09419	-.00786	.00017	.00090
.155	4.417	.00000	35.15654	7.96261	-.00158	.00717	.10092	-.00694	.00019	.00128
.155	6.401	.00000	35.16256	9.91311	.05698	.01026	.10721	-.00502	.00035	.00145
.155	8.515	.00000	35.16280	11.98728	.12364	.01811	.11356	-.00667	.00020	.00157
.155	10.524	.00000	35.17924	13.97093	.19490	.03142	.12068	-.00780	.00030	.00116
.155	12.528	.00000	35.19752	15.95977	.25986	.04823	.12396	-.00734	.00056	.00105
.155	14.524	.00000	35.20791	17.94612	.33287	.06999	.13650	-.00892	.00077	.00084
.155	16.542	.00000	35.26076	19.97183	.40217	.09682	.14909	-.00670	.00040	.00126
.155	18.582	.00000	35.34903	22.02410	.48029	.13210	.15924	-.00480	.00068	.00104
.156	20.572	.00000	35.48792	24.03822	.53625	.16734	.17098	-.00438	.00077	.00097
.156	22.566	.00000	35.66803	26.06285	.58192	.20076	.19062	-.00241	.00069	.00104
.157	24.533	.00000	35.91842	28.07895	.58922	.22140	.22343	-.00378	.00037	.00273
.157	26.930	.00000	36.25971	30.54176	.54842	.22404	.27074	-.00699	.00005	.00503
GRADIENT		.00000	-.00650	.98683	.02420	-.00228	.00360	-.00012	-.00008	-.00001

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 677

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF045) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 45/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.748	.00000	35.21398	.91818	-.18220	.02055	.07510	-.00750	.00068	.00076
.155	.337	.00000	35.17661	3.96112	-.11264	.01010	.08783	-.00837	.00042	.00104
.155	2.336	.00000	35.16444	5.93507	-.06260	.00619	.09402	-.00580	.00031	.00125
.155	4.427	.00000	35.15601	7.99616	-.00475	.00536	.10100	-.00739	.00026	.00093
.155	6.440	.00000	35.15670	9.97461	.05869	.00904	.10725	-.00604	.00013	.00131
.155	8.408	.00000	35.15561	11.89540	.12228	.01536	.11302	-.00696	.00012	.00133
.155	10.494	.00000	35.16417	13.94475	.19409	.02939	.12321	-.00586	.00020	.00143
.155	12.488	.00000	35.17610	15.92521	.25988	.04596	.12914	-.00644	.00042	.00081
.155	14.588	.00000	35.19703	18.01188	.33693	.06981	.13942	-.00575	.00033	.00131
.155	16.538	.00000	35.24666	19.96767	.40622	.09629	.14399	-.00527	.00045	.00115
.155	18.558	.00000	35.33029	22.00301	.47974	.13045	.15926	-.00374	.00081	.00084
.156	20.595	.00000	35.47246	24.05535	.53648	.16588	.17340	-.00288	.00070	.00033
.156	22.548	.00000	35.64015	26.03673	.58173	.19940	.18383	-.00197	.00040	.00109
.157	24.604	.00000	35.89955	28.14103	.59110	.22203	.22467	-.00275	.00032	.00283
.157	26.982	.00000	36.25861	30.58264	.55145	.22577	.27138	-.00648	-.00026	.00513
GRADIENT		.00000	-.00912	.98656	.02464	-.00217	.00346	.00011	-.00006	.00003

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF046) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 46/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.742	.00000	35.20608	.91964	-.18031	.02109	.07604	-.00653	.00067	.00109
.155	.350	.00000	35.16827	3.97287	-.10912	.01066	.08819	-.00737	.00047	.00114
.155	2.330	.00000	35.15871	5.92721	-.05924	.00770	.09405	-.00681	.00028	.00115
.155	4.429	.00000	35.15393	7.99616	-.00014	.00663	.10070	-.00637	.00033	.00152
.155	6.426	.00000	35.15304	9.95874	.05853	.00977	.10732	-.00701	.00021	.00113
.155	8.516	.00000	35.16195	11.99528	.12670	.01796	.11378	-.00689	.00022	.00121
.155	10.542	.00000	35.17768	13.98905	.19353	.03010	.12051	-.00586	.00019	.00128
.155	12.536	.00000	35.18207	15.96384	.26659	.04833	.12337	-.00745	.00033	.00123
.155	14.600	.00000	35.20709	18.02010	.33812	.07117	.13350	-.00574	.00041	.00114
.155	16.596	.00000	35.25189	20.01760	.41573	.10924	.14368	-.00575	.00053	.00106
.155	18.584	.00000	35.35107	22.02410	.47896	.13131	.15805	-.00428	.00066	.00082
.156	20.547	.00000	35.49090	24.00397	.53716	.16672	.16964	-.00338	.00072	.00091
.156	22.562	.00000	35.66462	26.03414	.58252	.20061	.19044	-.00284	.00062	.00121
.157	24.554	.00000	35.93273	28.09226	.59263	.22256	.22555	-.00372	.00033	.00288
.157	26.965	.00000	36.29230	30.56447	.55364	.22740	.27082	-.00507	-.00008	.00447
GRADIENT		.00000	-.00733	.98688	.02502	-.00205	.00342	.00003	-.00005	.00005

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF047) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 47/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.753	.00000	35.20557	.91036	-.17757	.02160	.07557	-.00600	.00079	.00124
.155	.277	.00000	35.17276	3.90433	-.11004	.01172	.08769	-.00833	.00056	.00101
.155	2.351	.00000	35.21922	5.96355	-.05934	.00738	.09397	-.00771	.00046	.00089
.155	4.355	.00000	35.16209	7.92710	-.00392	.00733	.10041	-.00536	.00043	.00101
.155	6.754	.00000	35.24543	10.27833	.07476	.01179	.10785	-.00440	.00033	.00121
.155	8.332	.00000	35.10284	11.81153	.12407	.01770	.11342	-.00690	.00039	.00125
.155	10.613	.00000	35.05286	14.05553	.20175	.03228	.12099	-.00489	.00023	.00154
.155	12.546	.00000	35.11335	15.98010	.26712	.04878	.12939	-.00546	.00034	.00159
.156	14.644	.00000	35.51464	18.06533	.33933	.07217	.13870	-.00567	.00028	.00149
.156	16.541	.00000	35.50806	19.95767	.40860	.09902	.14815	-.00571	.00046	.00120
.156	20.637	.00000	35.66391	24.10246	.54175	.16988	.17091	-.00478	.00076	.00104
.157	22.698	.00000	35.60999	26.18481	.58632	.20426	.19180	-.00326	.00078	.00087
.155	24.603	.00000	35.12522	28.13660	.59230	.22322	.22673	-.00328	.00025	.00323
.154	26.749	.00000	34.93000	30.32653	.55738	.22198	.26806	-.00623	.00095	.00583
	GRADIENT	.00000	-.00360	.98731	.02430	-.00209	.00348	.00006	-.00005	-.00004

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2T55H15.6.1F30G5.3.5T5401

(TJF048) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 373.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 48/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.703	.00000	35.22899	1.95976	-.16034	.01679	.08936	-.00733	.00093	.00119
.155	.274	.00000	35.22514	3.91706	-.11403	.01115	.08722	-.00731	.00060	.00149
.155	2.396	.00000	35.24297	6.02642	-.05829	.00679	.09449	-.00722	.00039	.00131
.155	4.480	.00000	35.28280	8.08496	-.00306	.00591	.10082	-.00685	.00023	.00130
.155	6.452	.00000	35.33088	10.00438	.06088	.00919	.10739	-.00640	.00040	.00122
.155	8.576	.00000	35.40639	12.06721	.13012	.01767	.11472	-.00583	.00026	.00126
.155	9.530	.00000	35.29401	12.99817	.15941	.02277	.11705	-.00801	.00033	.00130
.155	10.578	.00000	35.23659	14.03136	.20090	.03121	.12148	-.00678	.00039	.00129
.155	11.582	.00000	35.26261	15.03283	.23094	.03873	.12544	-.00729	.00053	.00097
.155	12.627	.00000	35.34971	16.06958	.26569	.04848	.12920	-.00586	.00046	.00142
.155	13.602	.00000	35.12624	17.04023	.30100	.05856	.13436	-.00834	.00066	.00119
.155	14.745	.00000	35.16069	18.18051	.34189	.07238	.13948	-.00814	.00051	.00104
.155	15.533	.00000	35.23852	18.95828	.36957	.08278	.14503	-.00694	.00057	.00100
.155	16.670	.00000	35.32257	20.10917	.40927	.09885	.14899	-.00619	.00050	.00128
.156	17.490	.00000	35.42769	20.92743	.43706	.11162	.15334	-.00786	.00079	.00093
.156	18.586	.00000	35.53566	22.04097	.47869	.13107	.15901	-.00616	.00091	.00032
.156	19.627	.00000	35.65689	23.09112	.51107	.14980	.16381	-.00546	.00079	.00091
.156	20.627	.00000	35.67188	24.10246	.54371	.16915	.17208	-.00427	.00085	.00087
.156	21.572	.00000	35.70032	25.05280	.56808	.18613	.18029	-.00360	.00077	.00096
.156	22.666	.00000	35.66216	26.15866	.58705	.20357	.19238	-.00325	.00072	.00126
.156	23.697	.00000	35.64056	27.22237	.59479	.21564	.21147	-.00414	.00087	.00141
.156	24.696	.00000	35.59403	28.24310	.59174	.22355	.22801	-.00451	.00060	.00334
.156	25.598	.00000	35.60806	29.16618	.58518	.22912	.24394	-.00499	.00020	.00466
.156	26.782	.00000	35.62460	30.37839	.55496	.22601	.27123	-.00411	.00017	.00511
GRADIENT		.00000	.00872	.99100	.02553	-.00178	.00332	.00007	-.00011	.00001

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F3005.3.5TS401

(TJF049) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 49/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.868	.00000	35.18235	1.81512	-.26273	.01714	.12207	-.00156	.00090	.00185
.155	.318	.00000	35.08949	3.96504	-.20843	.00724	.13109	-.00398	.00055	.00178
.155	2.397	.00000	35.17303	6.01463	-.15883	.00036	.13743	-.00339	.00023	.00207
.155	4.467	.00000	35.38927	8.05536	-.09902	-.00350	.14408	-.00441	.00021	.00217
.155	6.577	.00000	35.39016	10.13537	-.03368	-.00274	.13128	-.00347	.00015	.00223
.156	8.604	.00000	35.45403	12.09919	.02920	.00212	.15835	-.00386	.00006	.00194
.156	10.450	.00000	35.48895	13.92461	.09152	.01081	.13445	-.00331	.00006	.00231
.156	12.485	.00000	35.58514	15.94351	.16305	.02541	.17384	-.00529	.00026	.00229
.156	14.622	.00000	35.61528	18.07356	.24100	.04646	.18335	-.00456	.00027	.00229
.157	16.582	.00000	35.90847	20.03841	.30800	.06963	.19192	-.00351	.00020	.00199
.157	18.652	.00000	36.08509	22.12959	.38435	.10204	.20334	-.00168	.00034	.00138
.156	20.659	.01000	35.48423	24.14959	.44793	.13607	.21613	-.00133	.00032	.00119
.156	22.606	.01000	35.50811	26.12817	.49411	.16643	.23428	-.00037	.00007	.00146
.156	24.674	.01000	35.54359	28.24310	.51013	.18906	.26631	-.00020	.00015	.00249
.156	26.740	.01000	35.52165	30.34666	.49692	.19976	.30199	-.00537	-.00041	.00435
GRADIENT		.00000	.03242	.98511	.02564	-.00327	.00344	-.00038	-.00011	.00006

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF050) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 10.000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 50/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.741	.00000	35.25385	1.94070	-.26070	.01662	.12288	-.00551	.00082	.00166
.155	.295	.00000	35.07168	3.94839	-.21662	.00721	.13096	-.00344	.00064	.00160
.155	2.478	.00000	35.21365	6.10698	-.15977	-.00007	.13776	-.00432	.00029	.00202
.155	4.375	.00000	35.27494	7.97445	-.10449	-.00335	.14410	-.00396	.00016	.00216
.155	6.464	.00000	35.32031	10.02620	-.03893	-.00263	.15162	-.00348	.00023	.00182
.155	8.524	.00000	35.38396	12.03324	.02528	.00147	.15863	-.00189	.00012	.00220
.156	10.594	.00000	35.42291	14.08173	.09533	.01113	.16619	-.00379	.00010	.00233
.155	12.450	.00000	35.24868	15.92725	.16115	.02506	.17394	-.00434	.00030	.00227
.155	14.539	.00000	35.32339	18.00777	.23601	.04551	.18327	-.00507	.00042	.00171
.156	16.581	.01000	35.53896	20.05505	.30923	.06979	.19303	-.00457	.00039	.00169
.156	18.641	.01000	35.54409	22.12537	.37941	.09993	.20334	-.00361	.00042	.00149
.155	20.657	.01000	35.31376	24.16245	.44762	.13568	.21684	-.00035	.00027	.00133
.155	22.596	.01000	35.34456	26.12817	.49468	.16685	.23552	.00012	.00000	.00164
.155	24.519	.01000	35.37148	28.09669	.51110	.18816	.26556	.00059	-.00027	.00276
.157	26.752	.01000	35.96502	30.37839	.49567	.19954	.30251	-.00335	-.00065	.00501
GRADIENT		.00000	.01000	.98681	.02557	-.00328	.00343	.00018	-.00011	.00009

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF051) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -10.000
 ORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 51/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-1.796	.00000	34.90057	1.90454	-.26468	.01582	.12371	-.00106	.00095	.00235
.155	.312	.00000	35.02049	3.99050	-.21654	.00569	.13148	-.00348	.00055	.00226
.156	2.352	.00000	35.44116	6.00481	-.16809	-.00131	.13819	-.00376	.00041	.00193
.155	4.309	.00000	35.25457	7.92710	-.10873	-.00494	.14456	-.00442	.00026	.00204
.155	6.422	.00000	35.15756	10.00041	-.04381	-.00525	.15221	-.00447	.00027	.00208
.155	8.559	.00000	35.06445	12.08520	.02232	-.00102	.15909	-.00283	.00023	.00245
.155	10.552	.00000	35.17780	14.06561	.08951	.00870	.16586	-.00230	.00014	.00260
.155	12.519	.01000	35.15360	16.01670	.16165	.02282	.17476	-.00676	.00051	.00211
.155	14.491	.01000	35.22766	17.98311	.23089	.04194	.18349	-.00317	.00015	.00236
.155	16.565	.01000	35.36576	20.05922	.30471	.06662	.19339	-.00361	.00029	.00216
.155	18.465	.01000	35.22687	21.97350	.37458	.09575	.20350	-.00269	.00039	.00164
.155	20.559	.01000	35.36307	24.08533	.44092	.13084	.21615	-.00137	.00017	.00138
.155	22.488	.01000	35.36310	26.04108	.48871	.16172	.23434	-.00061	.00008	.00163
.156	24.495	.01000	35.62381	28.09669	.50797	.18527	.26409	-.00043	-.00024	.00226
.157	26.803	.01000	36.08379	30.44643	.49341	.19772	.30291	-.00385	-.00055	.00390
GRADIENT		.00000	.07341	.98661	.02534	-.00341	.00340	-.00051	-.00011	-.00006

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJFJ52) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 52/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.865	.00000	35.02065	1.84737	-.26559	.01509	.12344	-.00405	.00091	.00205
.155	.297	.00000	35.13168	3.98070	-.21956	.00485	.13194	-.00594	.00052	.00183
.155	2.363	.00000	35.16184	6.01758	-.16581	-.00239	.13890	-.00431	.00038	.00190
.155	4.374	.00000	35.24679	7.99813	-.10863	-.00639	.14500	-.00538	.00030	.00224
.155	6.445	.00000	35.28496	10.03017	-.04467	-.00601	.15263	-.00496	.00020	.00181
.155	8.542	.00000	35.20723	12.09319	.01783	-.00249	.15859	-.00529	.00021	.00214
.155	10.457	.01000	35.25196	13.99308	.08725	.00703	.16539	-.00578	.00008	.00233
.155	12.266	.00000	35.05603	15.79111	.14875	.01947	.17357	-.00439	.00012	.00252
.155	14.519	.01000	35.04991	18.02832	.22853	.04040	.18337	-.00515	.00018	.00224
.155	16.549	.01000	35.21771	20.05922	.30022	.06430	.19345	-.00512	.00025	.00200
.155	18.517	.01000	35.39388	22.04519	.37376	.09402	.20364	-.00518	.00030	.00170
.156	20.458	.01000	35.61207	24.00825	.43487	.12656	.21570	-.00183	.00031	.00197
.156	22.594	.01000	35.55941	26.16738	.49080	.16267	.23533	.00104	-.00017	.00153
.156	24.517	.01000	35.54602	28.13216	.50937	.18469	.26638	.00050	-.00046	.00240
.156	26.809	.01000	35.56749	30.47366	.49314	.19580	.30217	-.00198	-.00050	.00366
	GRADIENT	.00000	.03414	.98587	.02522	-.00346	.00345	-.00012	-.00010	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 685

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF053) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = 0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 53/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.814	.00000	35.13100	1.86740	-.26319	.01649	.12363	-.00454	.00083	.00181
.155	.231	.00000	35.14267	3.89062	-.22193	.00645	.13172	-.00443	.00059	.00221
.155	2.391	.00000	35.14327	6.02249	-.16609	-.00089	.13849	-.00528	.00044	.00186
.155	4.401	.00000	35.17724	8.00800	-.10752	-.00451	.14513	-.00584	.00040	.00193
.155	6.492	.00000	35.22020	10.07383	-.04246	-.00449	.15245	-.00490	.00034	.00190
.155	8.482	.00000	35.15987	12.02525	.02047	-.00031	.15905	-.00386	.00013	.00232
.155	10.523	.01000	35.24954	14.03941	.09193	.00987	.16649	-.00234	.00003	.00261
.155	12.663	.01000	35.26349	16.16724	.16449	.02502	.17558	-.00386	.00023	.00235
.155	14.528	.00000	35.40629	18.02832	.23428	.04368	.18478	-.00509	.00023	.00213
.155	16.563	.01000	35.13933	20.06754	.30876	.06908	.19393	-.00367	.00020	.00219
.155	18.571	.01000	35.34555	22.09160	.37382	.09696	.20322	-.00271	.00019	.00175
.156	20.553	.01000	35.51965	24.09818	.44044	.13116	.21617	-.00089	.00010	.00139
.156	22.571	.01000	35.50699	26.14559	.49189	.16503	.23350	-.00088	-.00014	.00182
.156	24.545	.01000	35.58567	28.16321	.50861	.18703	.26498	.00050	-.00064	.00300
.156	26.752	.01000	35.73432	30.42828	.49459	.19896	.30162	-.00343	-.00045	.00368
	GRADIENT	.00000	.00666	.98792	.02513	-.00338	.00342	-.00023	-.00007	-.00000

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 686

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF054) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 54/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.734	.00000	35.05022	1.94803	-.26209	.01614	.12368	-.00499	.00098	.00187
.155	.265	.00000	35.09242	3.92391	-.21793	.00647	.13161	-.00697	.00047	.00206
.155	2.282	.01000	35.06386	5.91149	-.16711	-.00028	.13821	-.00681	.00042	.00186
.155	4.388	.01000	35.22876	8.00010	-.10908	-.00435	.14467	-.00536	.00034	.00206
.155	5.492	.00000	35.28279	9.08295	-.07343	-.00463	.14880	-.00565	.00026	.00186
.155	6.380	.01000	35.23615	9.95676	-.04024	-.00348	.15196	-.00602	.00012	.00209
.155	7.533	.01000	35.26540	11.09370	-.01078	-.00203	.15498	-.00563	.00012	.00225
.155	8.482	.01000	35.36571	12.02325	.02374	.00051	.15943	-.00581	.00014	.01221
.155	9.524	.01000	35.06679	13.04230	.05550	.00445	.16198	-.00698	.00029	.00219
.155	10.502	.01000	35.06894	14.01323	.09228	.00996	.16677	-.00721	.00034	.00218
.155	11.584	.01000	35.15535	15.09558	.12503	.01671	.17054	-.00476	.00032	.00240
.155	12.519	.01000	35.07567	16.01670	.16168	.02459	.17491	-.00731	.00034	.00235
.155	13.557	.01000	35.17053	17.05659	.19650	.03334	.17888	-.00630	.00035	.00219
.155	14.517	.01000	35.21233	18.04477	.23450	.04437	.18426	-.00365	.00016	.00232
.155	15.532	.01000	35.29940	19.05098	.27093	.05575	.18915	-.00345	.00002	.00231
.155	16.604	.01000	35.23136	20.14665	.31336	.07047	.19468	-.00460	.00033	.00189
.155	17.515	.01000	35.37007	21.04887	.33957	.08160	.19859	-.00584	.00031	.00187
.155	18.504	.01000	35.26153	22.03676	.37930	.09846	.20393	-.00421	.00025	.00158
.155	19.820	.01000	35.36490	23.38902	.42172	.12050	.21216	-.00246	.00027	.00136
.155	21.702	.01000	35.38555	25.26019	.47292	.15168	.22573	-.00071	-.00014	.00151
.155	22.635	.01000	35.37342	26.21532	.49556	.16685	.23774	-.00095	-.00015	.00192
.155	23.622	.01000	35.36748	27.22237	.50530	.17890	.25098	-.00136	-.00011	.00185
.155	24.588	.01000	35.55086	28.21203	.51007	.18787	.26592	-.00044	-.00049	.00260
.157	25.455	.01000	36.00397	29.09902	.50916	.19462	.27939	-.00133	-.00049	.00339
.157	26.743	.01000	35.97048	30.41921	.49348	.19834	.30233	-.00248	-.00078	.00426
GRADIENT		.00195	.02508	.98628	.02503	-.00334	.00341	-.00004	-.00010	.00002

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF055) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 55/ 0 RN/L = .00 GRADIENT INTERVAL = -E.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.801	.00000	35.17132	1.87082	-.26186	.01670	.12365	-.00253	.00093	.00209
.155	.208	.00000	35.11844	3.85244	-.21597	.00726	.13095	-.00599	.00044	.00201
.155	2.297	.01000	35.11554	5.91542	-.16327	.00010	.13811	-.00489	.00027	.00203
.155	4.405	.01000	35.21423	8.00010	-.10473	-.00390	.14443	-.00341	.00031	.00205
.155	6.340	.01000	35.23935	9.91113	-.04460	-.00368	.15159	-.00499	.00026	.00192
.155	8.436	.01000	35.21882	11.97330	.02473	.00089	.15903	-.00437	.00018	.00198
.155	10.462	.01000	35.02432	13.96489	.09438	.01037	.16649	-.00478	.00026	.00215
.155	12.581	.01000	35.01915	16.07772	.16694	.02551	.17524	-.00441	.00022	.00236
.155	14.534	.01000	35.24808	18.02832	.23518	.04458	.18326	-.00508	.00032	.00228
.155	16.509	.01000	35.36923	20.00512	.31045	.06908	.19320	-.00511	.00038	.00174
.156	18.526	.01000	35.65559	22.04519	.37823	.09867	.20370	-.00319	.00026	.00141
.155	20.551	.01000	35.44963	24.08961	.44351	.13285	.21644	-.00085	.00030	.00118
.156	22.521	.01000	35.50595	26.09332	.49293	.16551	.23531	-.00045	-.00014	.00145
.156	24.510	.01000	35.52100	28.12773	.51192	.18844	.26521	-.00050	-.00049	.00239
.157	26.730	.01000	36.06449	30.40107	.49682	.20023	.30005	-.00246	-.00056	.00406
GRADIENT		.00193	.00624	.98763	.02532	-.00332	.00335	-.00007	-.00010	-.00000

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 688

(CA-8) K3V9.1.2TS5

F30G5.3.5TS401

(TJF056) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 SPDBRK = -11.700

RUN NO. 56/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.752	.00000	35.23136	1.90698	-.26016	.01690	.12438	-.00544	.00102	.00172
.155	.256	.00000	35.18901	3.89258	-.21542	.00733	.13258	-.00544	.00055	.00173
.155	2.349	.00000	35.14348	5.95962	-.16322	-.00056	.13912	-.00533	.00036	.00185
.155	4.491	.00000	35.24478	8.07904	-.10388	-.00479	.14554	-.00538	.00026	.00212
.155	5.527	.00000	35.28830	9.10472	-.07404	-.00541	.14920	-.00557	.00046	.00170
.155	6.406	.00000	35.25387	9.97064	-.04530	-.00524	.15167	-.00449	.00023	.00216
.155	7.493	.00000	35.04027	11.04392	-.01193	-.00339	.15509	-.00528	.00029	.00201
.154	8.513	.00000	35.01762	12.05122	.02388	-.00040	.15906	-.00558	.00028	.00212
.155	9.459	.00000	35.05677	12.98413	.05618	.00338	.16265	-.00540	.00026	.00213
.155	10.474	.00000	35.07669	13.99913	.08957	.00867	.16555	-.00567	.00031	.00251
.155	11.435	.00000	35.13122	14.94785	.12158	.01417	.16998	-.00495	.00042	.00246
.155	12.444	.00000	35.12302	15.95164	.16119	.02239	.17417	-.00527	.00045	.00240
.155	13.345	.00000	35.22669	16.84816	.19105	.02979	.17790	-.00367	.00031	.00256
.155	14.500	.00000	35.21342	18.00366	.23607	.04234	.18322	-.00540	.00054	.00222
.155	15.542	.00000	35.26084	19.05098	.27010	.05323	.18786	-.00621	.00050	.00204
.155	16.518	.00000	35.23855	20.03008	.30444	.06350	.19245	-.00505	.00054	.00174
.155	17.494	.00000	35.30951	21.01117	.33969	.07911	.19749	-.00489	.00043	.00203
.155	18.582	.00000	35.38348	22.11271	.37838	.09620	.20312	-.00323	.00042	.00170
.156	19.600	.00000	35.52514	23.14640	.40992	.11214	.20861	-.00142	.00063	.00126
.155	20.567	.00000	35.32848	24.11960	.44323	.12997	.21569	-.00265	.00055	.00120
.155	21.623	.00000	35.38955	25.19102	.47096	.14723	.22402	-.00093	.00019	.00151
.155	22.575	.00000	35.40364	26.16302	.49190	.16221	.23425	-.00242	.00058	.00132
.155	23.567	.00000	35.38535	27.17840	.50470	.17462	.24761	-.00215	.00037	.00154
.155	24.587	.00000	35.31307	28.22978	.51179	.18493	.26621	-.00237	.00001	.00236
.157	25.613	.00000	35.98503	29.28271	.51196	.19388	.27948	-.00250	-.00041	.00369
.157	26.692	.00000	36.08571	30.39200	.49791	.19644	.29748	-.00393	-.00019	.00339
	GRADIENT	.00000	-.00004	.98853	.02504	-.00350	.00336	-.00003	-.00012	.00006

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 689

(CA-8) K3V9.1.2TS5

F30G5.3.5TS401

(TJF057) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 8.000 ELEVON = -5.000
 SPDBRK = -11.700

RUN NO. 57/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.701	.00000	35.29772	3.97287	-.13963	.01642	.13368	-.00527	.00064	.00177
.155	.341	.00000	35.16368	5.98811	-.09322	.01007	.14104	-.00643	.00033	.00185
.155	2.338	.00000	35.13130	7.95472	-.04165	.00692	.14779	-.00704	.00018	.00186
.155	4.404	.00000	35.21231	10.00438	.02416	.00858	.15596	-.00735	.00021	.00191
.155	5.423	.00000	35.21922	11.01206	.05760	.01050	.15920	-.00706	.00012	.00196
.155	6.606	.00000	35.29012	12.18315	.09327	.01409	.16343	-.00723	.00014	.00198
.155	7.435	.00000	35.30276	13.00419	.11679	.01803	.16598	-.00474	.00000	.00239
.155	8.510	.00000	35.38526	14.06561	.15280	.02327	.17078	-.00703	.00021	.00212
.155	9.387	.00000	35.43734	14.93774	.17994	.02864	.17475	-.00645	.00025	.00210
.155	10.412	.00000	35.38259	15.94351	.21608	.03700	.17883	-.00738	.00026	.00178
.155	11.577	.00000	35.24162	17.10567	.25888	.04805	.18370	-.00635	.00016	.00194
.155	12.290	.00000	35.21244	17.87698	.28519	.05554	.19676	-.00630	.00012	.00190
.155	13.518	.00000	35.25140	19.05512	.33180	.07013	.19205	-.00811	.00022	.00183
.155	14.608	.00000	35.30853	20.14665	.36696	.08413	.19675	-.00690	.00014	.00147
.155	15.559	.00000	35.23214	21.09496	.40351	.09875	.20090	-.00672	.00013	.00134
.155	16.550	.00000	35.30132	22.08738	.43734	.11421	.20376	-.00564	-.00034	.00171
.155	17.600	.00000	35.40086	23.13789	.47700	.13347	.20864	-.00505	-.00074	.00169
.155	18.681	.00000	35.24985	24.23533	.51154	.15269	.21404	-.00526	-.00050	.00136
.155	19.581	.00000	35.35856	25.14781	.54175	.17131	.21979	-.00473	-.00096	.00150
.155	20.557	.00000	35.40976	26.13252	.56723	.18992	.22560	-.00309	-.00110	.00153
.155	21.605	.00000	35.38242	27.19599	.59170	.20954	.23526	-.00519	-.00087	.00151
.155	22.610	.00000	35.36227	28.21646	.60963	.22745	.24503	-.00534	-.00075	.00181
.156	23.610	.00000	35.62406	29.24236	.61975	.24297	.26062	-.00396	-.00072	.00159
.156	24.595	.00000	35.59081	30.26058	.62155	.25512	.27728	-.00542	-.00083	.00260
.156	25.575	.00000	35.65196	31.26663	.61107	.25978	.29560	-.00603	-.00175	.00481
.157	26.609	.00000	36.07122	32.34375	.58348	.25613	.31964	-.00670	-.00150	.00435
GRADIENT		.00000	-.01414	.98766	.02674	-.00132	.00349	-.00034	-.00007	.00002

REPRODUCIBLE
 ORIGINAL PAGE IS POOR

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 690

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF058) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 58/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.806	.00000	35.21958	3.88572	-.14918	.01461	.13194	-.00676	.00075	.00156
.155	.229	.00000	35.11352	5.89480	-.09956	.00793	.13990	-.00575	.00044	.00229
.155	2.381	.00000	35.12763	8.01984	-.04485	.00452	.14712	-.00760	.00029	.00192
.155	4.565	.00000	35.14439	10.18103	.02264	.00618	.15540	-.00798	.00009	.00188
.155	6.433	.00000	35.23277	12.02724	.08304	.01112	.15234	-.00592	.00009	.00207
.155	8.531	.00000	35.22587	14.10389	.14936	.02108	.17166	-.00718	.00019	.00206
.155	10.321	.00000	35.15920	15.88050	.21061	.03458	.17892	-.00609	.00012	.00209
.155	12.420	.00000	35.17206	17.95845	.28536	.05528	.13750	-.00654	.00010	.00173
.155	14.535	.00000	35.32522	20.06338	.35945	.08106	.13598	-.00437	-.00020	.00195
.155	16.666	.00000	35.28912	22.19714	.44292	.11538	.20584	-.00780	-.00014	.00113
.156	18.476	.00000	35.59415	24.02965	.50349	.14790	.21416	-.00375	-.00084	.00145
.155	20.490	.00000	35.35978	26.06720	.56688	.18885	.22839	-.00311	-.00130	.00146
.155	22.514	.00000	35.39271	28.12329	.60993	.22688	.24706	-.00371	-.00130	.00212
.155	24.449	.00000	35.34633	30.09316	.62183	.25306	.27532	-.00525	-.00150	.00249
.155	26.516	.00000	35.32706	32.22345	.59007	.25877	.31787	-.00785	-.00220	.00507
	GRADIENT	.00000	-.00972	.98806	.02683	-.00134	.00365	-.00026	-.00010	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 691

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(IJF059) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 59/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-2.703	.00000	35.35345	3.00154	-.16259	.01845	.12831	-.00584	.00074	.00195
.155	.404	.00000	35.23844	6.06473	-.09273	.00872	.14050	-.00956	.00044	.00190
.155	2.458	.00000	35.27754	8.09680	-.03881	.00562	.14751	-.00855	.00022	.00200
.155	4.381	.00000	35.32075	10.00041	.02136	.00634	.15401	-.00896	.00018	.00194
.156	6.455	.00000	35.59560	12.05322	.08808	.01214	.16288	-.00925	.00016	.00192
.155	8.567	.00000	35.21986	14.14218	.15080	.02236	.17098	-.00770	.00010	.00219
.155	10.452	.00000	35.20547	15.99637	.21908	.03668	.17991	-.00999	.00022	.00172
.155	12.488	.00000	35.32614	18.01599	.28790	.05661	.18826	-.00800	.00005	.00155
.155	14.621	.00000	35.33699	20.15914	.36756	.08457	.19689	-.00876	-.00003	.00152
.155	16.665	.00000	35.43691	22.20137	.43901	.11590	.20481	-.00736	-.00046	.00149
.155	18.579	.00000	35.44226	24.13245	.50905	.15186	.21420	-.00767	-.00082	.00121
.156	20.493	.00000	35.56394	26.06720	.56813	.19033	.22718	-.00649	-.00114	.00123
.156	22.510	.00000	35.55683	28.11886	.61070	.22816	.24514	-.00472	-.00129	.00168
.156	24.521	.00000	35.52563	30.18362	.62301	.25506	.27740	-.00725	-.00168	.00219
.156	26.476	.00000	35.43957	32.18646	.58828	.25799	.31796	-.00931	-.00206	.00463
.155	GRADIENT	.00000	-.00445	.98798	.02576	-.00173	.00363	-.00040	-.00008	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 692

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF060) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 60/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.155	-2.717	.00000	35.36500	2.98882	-.16958	.01867	.12791	-.00387	.00060	.00194
.155	.306	.00000	35.18344	5.97337	-.10018	.00828	.13933	-.00563	.00037	.00189
.155	2.325	.00000	35.19965	7.97051	-.04317	.00564	.14659	-.00622	.00010	.00188
.154	4.383	.00000	35.15003	9.99049	.01690	.00689	.15412	-.00509	.00003	.00208
.155	6.432	.00000	35.21731	12.02125	.07988	.01219	.16150	-.00634	.00019	.00195
.155	8.440	.00000	35.21958	14.01121	.14767	.02161	.17073	-.00766	.00026	.00196
.154	10.527	.00000	35.15492	16.06551	.21810	.03689	.17987	-.00652	.00020	.00192
.155	12.508	.00000	35.17462	18.03244	.29125	.05717	.18811	-.00649	.00023	.00180
.154	14.540	.00000	35.00046	20.06338	.36290	.08282	.19666	-.00654	.00023	.00158
.155	16.561	.00000	35.51617	22.08738	.43147	.11257	.20477	-.00613	-.00015	.00141
.155	18.527	.00000	35.36395	24.06391	.50260	.14803	.21407	-.00684	-.00049	.00147
.155	20.581	.00000	35.48643	26.15431	.56254	.18816	.22831	-.00588	-.00039	.00125
.155	22.590	.00000	35.47602	28.19427	.60696	.22618	.24755	-.00620	-.00024	.00150
.156	24.553	.00000	35.96734	30.21530	.61380	.25070	.27818	-.00675	-.00027	.00213
.156	26.963	.00000	36.02354	32.69635	.56336	.24989	.32910	-.00953	-.00093	.00517
	GRADIENT	.00000	-.02834	.98649	.02627	-.00172	.00369	-.00020	-.00008	.00002

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS401

(TJF061) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 61/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.736	.00000	35.24522	2.94872	-.16318	.01851	.12749	-.00499	.00037	.00159
.154	.302	.00000	35.11926	5.94980	-.09502	.00802	.13920	-.00619	.00027	.00154
.155	2.332	.00000	35.21925	7.95472	-.03778	.00506	.14693	-.00524	.00014	.00165
.155	4.452	.00000	35.22411	10.05994	.02446	.00702	.15392	-.00607	.00005	.00165
.154	6.456	.00000	35.06066	12.04123	.09013	.01300	.16162	-.00499	-.00002	.00220
.154	8.530	.00000	35.16342	14.09583	.15526	.02302	.17074	-.00722	.00019	.00167
.155	10.517	.00000	35.25288	16.05331	.22370	.03769	.17899	-.00557	.00014	.00180
.155	12.539	.00000	35.22221	18.06122	.29689	.05812	.18765	-.00604	.00013	.00171
.155	14.540	.00000	35.30583	20.06338	.36492	.08322	.19603	-.00406	.00020	.00135
.155	16.627	.00000	35.38786	22.15492	.43938	.11512	.20454	-.00419	-.00011	.00138
.155	18.589	.00000	35.46671	24.13674	.51219	.15216	.21443	-.00140	-.00039	.00161
.155	20.649	.00000	35.46001	26.21532	.56738	.19057	.22725	-.00344	-.00039	.00131
.155	22.641	.00000	35.58249	28.24754	.60784	.22747	.24678	-.00370	-.00026	.00181
.156	24.545	.00000	35.77965	30.20172	.61575	.25132	.27915	-.00183	-.00006	.00249
.157	26.923	.00000	36.29111	32.65917	.56211	.24766	.32834	-.00381	-.00121	.00535
	GRADIENT	.00000	-.00016	.98909	.02614	-.00168	.00370	-.00011	-.00004	.00001

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F3005.3.5TS401

(TJF062) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 62/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.628	.00000	35.32666	3.09643	-.16855	.01686	.12871	-.00634	.00050	.00113
.154	.271	.00000	35.15354	5.96453	-.10288	.00647	.13993	-.00613	.00038	.00161
.155	2.293	.00000	35.18346	7.95670	-.04656	.00367	.14696	-.00569	.00017	.00166
.155	4.361	.00000	35.30720	10.01231	.01523	.00464	.15407	-.00501	.00013	.00186
.155	6.413	.00000	35.37812	12.04523	.08165	.01049	.16199	-.00582	.00019	.00214
.154	8.457	.00000	35.16227	14.06359	.14535	.01979	.17069	-.00670	.00018	.00191
.154	10.454	.00000	35.14297	16.02890	.21172	.03381	.17875	-.00699	.00031	.00171
.155	12.509	.00000	35.29735	18.06944	.28602	.05459	.18761	-.00837	.00039	.00161
.155	14.491	.00000	35.36512	20.05089	.35830	.07907	.19599	-.00694	.00032	.00145
.155	16.563	.00000	35.33610	22.12115	.43254	.11055	.20502	-.00612	-.00004	.00147
.155	18.593	.00000	35.55882	24.17531	.50095	.14628	.21425	-.00513	.00011	.00107
.155	20.548	.00000	35.43800	26.14559	.55684	.18389	.22665	-.00486	-.00034	.00160
.155	22.531	.00000	35.52162	28.16321	.60581	.22323	.24720	-.00467	-.00007	.00160
.156	24.523	.00000	35.65673	30.21078	.61376	.24838	.27892	-.00389	-.00011	.00253
.157	27.004	.00000	36.37420	32.76611	.56146	.24735	.33003	-.00652	-.00099	.00528
GRADIENT		.00000	-.00373	.98913	.02628	-.00180	.00363	.00002	-.00006	.00010

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF063) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 63/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.676	.00000	35.22787	.97337	-.30152	.04999	.13519	-.00250	.00093	.00162
.154	.313	.00000	35.11672	3.91901	-.23741	.03314	.14446	-.00541	.00099	.00160
.154	2.338	.00000	35.114922	5.92230	-.18752	.02462	.15069	-.00557	.00096	.00168
.155	4.376	.00000	35.37841	7.93499	-.13209	.01844	.15696	-.00588	.00083	.00159
.155	6.403	.00000	35.32498	9.93493	-.07257	.01718	.16344	-.00566	.00088	.00190
.155	8.471	.00000	35.24070	11.98129	-.00612	.02071	.17141	-.00792	.00102	.00182
.155	10.443	.00000	35.32180	13.92260	.05598	.02812	.17840	-.00450	.00053	.00217
.155	12.482	.00000	35.30419	15.94351	.12506	.04202	.18866	-.00711	.00095	.00207
.155	14.498	.00000	35.25893	17.97078	.19598	.06189	.19897	-.00587	.00094	.00205
.155	16.514	.00000	35.32907	19.98847	.26498	.08531	.20812	-.00657	.00091	.00197
.155	18.581	.00000	35.46196	22.06629	.34496	.11777	.21817	-.00474	.00096	.00166
.156	20.498	.00000	35.66695	24.00825	.40519	.14838	.22748	-.00579	.00114	.00124
.155	22.566	.00000	35.48220	26.09332	.46242	.18276	.24228	-.00410	.00081	.00154
.155	24.527	.00000	35.51876	28.10112	.48904	.20646	.26884	-.00388	.00006	.00243
.155	26.978	.00000	35.59266	30.60536	.47943	.22547	.30297	-.00592	-.00003	.00439
	GRADIENT	.00000	.01779	.98729	.02395	-.00451	.00309	-.00047	-.00001	-.00000

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF064) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -10.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 64/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.683	.00000	35.27578	.95139	-.29763	.05117	.13486	-.00349	.00095	.00148
.154	.317	.00000	35.20136	3.91608	-.23441	.03396	.14404	-.00687	.00101	.00127
.155	2.345	.00000	35.26988	5.92426	-.18432	.02578	.15051	-.00413	.00078	.00174
.155	4.376	.00000	35.23844	7.92907	-.12842	.02021	.15671	-.00541	.00087	.00151
.155	6.437	.00000	35.26218	9.96072	-.06789	.01912	.16352	-.00423	.00079	.00164
.154	8.426	.00000	35.11101	11.92336	-.00348	.02302	.17051	-.00363	.00072	.00214
.154	10.474	.00000	35.04347	13.93871	.06380	.03128	.17855	-.00398	.00085	.00211
.155	12.469	.00000	35.31864	15.92928	.13159	.04509	.18845	-.00375	.00076	.00210
.155	14.567	.00000	35.32917	18.02421	.19767	.06357	.19833	-.00586	.00088	.00228
.155	16.533	.00000	35.31849	19.99263	.26779	.08794	.20715	-.00511	.00095	.00184
.155	18.538	.00000	35.34981	22.01145	.33937	.11726	.21688	-.00578	.00084	.00187
.155	20.623	.00000	35.50153	24.11960	.41223	.15319	.22788	-.00433	.00107	.00136
.155	22.577	.00000	35.61361	26.10203	.46967	.18598	.24295	-.00271	.00055	.00171
.156	24.508	.00000	35.71603	28.07452	.49241	.20868	.26697	-.00287	.00032	.00192
.156	26.947	.00000	35.65049	30.56901	.47412	.22191	.30197	-.00461	-.00063	.00477
	GRADIENT	.00000	-.00267	.98863	.02388	-.00443	.00310	-.00017	-.00002	.00002

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF065) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 10.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 65/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.742	.00000	35.38541	.87715	-.29301	.05321	.13244	-.00247	.00107	.00162
.155	.293	.00000	35.28732	3.87398	-.22873	.03709	.14209	-.00486	.00112	.00119
.155	2.408	.00000	35.38755	5.96453	-.17480	.02887	.14868	-.00701	.00100	.00106
.155	4.373	.00000	35.23354	7.90540	-.12115	.02388	.15482	-.00637	.00105	.00093
.155	6.439	.00000	35.29763	9.95477	-.06428	.02270	.16086	-.00463	.00111	.00104
.155	8.516	.00000	35.29089	12.00127	.00819	.02780	.16873	-.00453	.00099	.00113
.154	10.464	.00000	35.14613	13.91454	.06850	.03577	.17561	-.00640	.00112	.00116
.155	12.529	.00000	35.22882	15.96384	.13901	.04997	.18589	-.00610	.00132	.00111
.155	14.593	.00000	35.31655	18.02832	.20978	.07021	.19619	-.00536	.00122	.00111
.155	16.539	.00000	35.38652	19.97599	.27702	.09321	.20502	-.00841	.00159	.00084
.155	18.567	.00000	35.44542	22.02832	.35682	.12560	.21542	-.00618	.00149	.00047
.155	20.559	.00000	35.54109	24.03394	.41394	.15571	.22472	-.00392	.00112	.00097
.156	22.594	.00000	35.71345	26.10203	.47097	.18953	.24188	-.00354	.00105	.00130
.156	24.555	.00000	36.01819	28.11443	.49594	.21248	.26998	-.00141	.00023	.00201
.157	26.904	.00000	36.20545	30.50997	.48256	.22757	.29928	-.00410	-.00033	.00384
	GRADIENT	.00000	-.01506	.98785	.02412	-.00417	.00314	-.00061	-.00001	-.00010

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 698

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF066) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 66/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.759	.00000	35.30913	.85810	-.29284	.05443	.13176	-.00295	.00115	.00144
.155	.316	.00000	35.36033	3.89160	-.22577	.03774	.14206	-.00587	.00100	.00103
.154	2.389	.00000	35.18446	5.93605	-.17405	.02977	.14793	-.00752	.00110	.00099
.155	4.351	.00000	35.25806	7.87384	-.12094	.02501	.15407	-.00638	.00100	.00125
.155	6.465	.00000	35.36071	9.96469	-.05729	.02429	.16125	-.00615	.00098	.00111
.154	8.497	.00000	35.14126	11.97130	.00297	.02796	.16796	-.00506	.00095	.00127
.155	10.506	.00000	35.23456	13.94475	.07220	.03746	.17576	-.00788	.00112	.00101
.155	12.411	.00000	35.28784	15.83783	.13505	.05002	.18465	-.00526	.00088	.00140
.155	14.547	.00000	35.42872	17.97078	.21524	.07244	.19655	-.00679	.00133	.00125
.155	16.567	.00000	35.55420	19.99679	.28392	.09636	.20618	-.00660	.00102	.00121
.155	18.571	.00000	35.48112	22.01567	.35565	.12614	.21536	-.00721	.00125	.00093
.155	20.555	.00000	35.58403	24.02109	.41541	.15793	.22445	-.00536	.00118	.00106
.156	22.561	.00000	35.87294	26.05849	.47394	.19030	.24113	-.00349	.00135	.00077
.156	24.557	.00000	35.95127	28.10112	.49666	.21371	.26654	-.00149	.00003	.00211
.157	26.894	.00000	36.35356	30.48727	.48651	.23015	.29879	-.00645	-.00012	.00353
	GRADIENT	.00000	-.01334	.98668	.02411	-.00419	.00312	-.00074	-.00002	-.00003

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 699

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF067) (07 JUN 76)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 67/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.708	.00000	35.31189	.92453	-.29558	.05221	.13303	-.00297	.00103	.00139
.155	-1.751	.00000	35.25363	1.86936	-.27272	.04667	.13657	-.00279	.00109	.00157
.155	.323	.00000	35.27664	3.92195	-.22785	.03596	.14312	-.00441	.00098	.00131
.154	2.345	.00000	35.20412	5.91837	-.17802	.02756	.14879	-.00606	.00100	.00116
.155	4.414	.00000	35.28482	7.96459	-.12615	.02218	.15475	-.00441	.00092	.00119
.155	5.417	.00000	35.31328	8.95039	-.09099	.02155	.15901	-.00430	.00105	.00099
.154	6.409	.00000	35.18739	9.93692	-.06308	.02122	.16161	-.00425	.00085	.00132
.154	7.384	.00000	35.15246	10.89661	-.02865	.02341	.16605	-.00440	.00096	.00153
.155	8.468	.00000	35.23439	11.97130	.00067	.02564	.16848	-.00402	.00104	.00120
.155	9.425	.00000	35.25495	12.90993	.03684	.02950	.17330	-.00421	.00108	.00129
.155	10.434	.00000	35.23362	13.89441	.07321	.03516	.17762	-.00447	.00098	.00130
.155	11.467	.00000	35.21688	14.92560	.10240	.04088	.18104	-.00573	.00127	.00114
.155	12.527	.00000	35.26575	15.97197	.14003	.04913	.18652	-.00660	.00127	.00124
.154	13.503	.00000	35.19977	16.95030	.17294	.05770	.19217	-.00700	.00122	.00132
.155	14.511	.00000	35.29533	17.95845	.20657	.06776	.19733	-.00533	.00130	.00128
.154	15.521	.00000	35.20301	18.96415	.24198	.07977	.20152	-.00485	.00090	.00143
.155	16.564	.00000	35.38559	20.01344	.28156	.09354	.20666	-.00702	.00127	.00131
.155	17.589	.00000	35.44874	21.04468	.31992	.10865	.21238	-.00595	.00116	.00105
.155	18.581	.00000	35.55809	22.05363	.35262	.12363	.21673	-.00709	.00141	.00100
.155	19.589	.00000	35.50337	23.06562	.38471	.13983	.22058	-.00293	.00092	.00121
.155	20.564	.00000	35.52825	24.05535	.41728	.15675	.22650	-.00399	.00119	.00095
.155	21.581	.00000	35.51005	25.08303	.44418	.17248	.23293	-.00296	.00113	.00095
.155	22.545	.00000	35.50795	26.06285	.46918	.18797	.24076	-.00210	.00117	.00094
.156	23.586	.00000	35.71619	27.12565	.48695	.20124	.25210	-.00064	.00058	.00126
.156	24.552	.00000	35.97844	28.11886	.49546	.21129	.26745	-.00038	-.00020	.00229
.156	25.587	.00000	36.02958	29.16618	.50000	.22270	.28185	-.00219	-.00025	.00307
.157	26.923	.00000	36.12825	30.53267	.48634	.22947	.29907	-.00453	-.00005	.00360
GRADIENT		.00000	-.00474	.98851	.02367	-.00427	.00302	-.00033	-.00002	-.00005

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF068) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 68/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.706	.00000	35.30227	.94504	-.29490	.05201	.13340	-.00390	.00116	.00121
.155	-1.775	.00000	35.35006	1.85909	-.27656	.04604	.13682	-.00619	.00113	.00115
.155	.323	.00000	35.30621	3.93174	-.23029	.03501	.14339	-.00589	.00095	.00126
.155	2.345	.00000	35.28980	5.92328	-.17676	.02724	.14925	-.00803	.00098	.00101
.155	4.335	.00000	35.22988	7.88962	-.12445	.02150	.15563	-.00837	.00098	.00072
.154	6.388	.00000	35.12802	9.91509	-.06322	.02059	.16221	-.00770	.00099	.00087
.155	8.483	.00000	35.23326	11.98728	.00361	.02480	.16931	-.00609	.00076	.00137
.155	10.534	.00000	35.23031	14.00114	.07372	.03419	.17774	-.00843	.00091	.00119
.155	12.567	.00000	35.23715	16.02483	.13667	.04753	.18699	-.00712	.00114	.00130
.155	14.530	.00000	35.37945	17.98311	.20593	.06716	.19751	-.00730	.00124	.00101
.155	16.568	.00000	35.52490	20.03008	.27905	.09217	.20722	-.00709	.00093	.00142
.156	18.571	.00000	35.71960	22.04941	.34965	.12158	.21670	-.00946	.00149	.00088
.155	20.528	.00000	35.55310	24.02109	.41174	.15326	.22503	-.00817	.00162	.00060
.155	22.574	.00000	35.61625	26.08462	.46930	.18766	.24124	-.00544	.00136	.00084
.156	24.533	.00000	35.93961	28.09226	.49785	.21181	.26821	-.00341	.00008	.00209
.156	26.947	.00000	35.93105	30.55538	.48217	.22785	.30069	-.00269	-.00065	.00471
	GRADIENT	.00000	-.01220	.98640	.02431	-.00434	.00312	-.00057	-.00003	-.00006

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF069) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 69/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.716	.00000	35.41167	.92550	-.28882	.05284	.13389	-.00738	.00103	.00097
.155	-1.722	.00000	35.34957	1.90991	-.27595	.04724	.13618	-.00761	.00123	.00088
.155	.313	.00000	35.25440	3.91510	-.22894	.03624	.14264	-.00641	.00092	.00122
.154	2.338	.00000	35.17154	5.91542	-.17643	.02828	.14886	-.00953	.00100	.00121
.155	4.403	.00000	35.28885	7.95472	-.12186	.02319	.15482	-.00880	.00107	.00103
.155	6.424	.00000	35.38922	9.94882	-.06212	.02195	.16166	-.00567	.00092	.00114
.154	8.470	.00000	35.18064	11.96331	.00509	.02655	.16924	-.00750	.00104	.00125
.154	10.488	.00000	35.18737	13.94475	.07025	.03524	.17663	-.00647	.00090	.00124
.155	12.426	.00000	35.22392	15.87237	.13551	.04827	.18573	-.00814	.00112	.00124
.155	14.539	.00000	35.33363	17.98311	.20756	.06896	.19696	-.01022	.00137	.00112
.155	16.605	.00000	35.28571	20.05922	.28259	.09478	.20694	-.00947	.00139	.00101
.155	18.550	.00000	35.50615	22.02832	.35328	.12416	.21536	-.00725	.00106	.00105
.155	20.553	.00000	35.56829	24.04678	.41824	.15754	.22617	-.00674	.00146	.00078
.155	22.601	.00000	35.62028	26.12817	.47201	.18965	.24204	-.00405	.00109	.00106
.156	24.636	.00000	35.97100	28.20759	.49857	.21475	.26866	-.00190	.00025	.00181
.157	26.928	.00000	36.25806	30.52359	.48801	.23104	.30092	-.00223	-.00070	.00458
	GRADIENT	.00000	-.02181	.98718	.02388	-.00423	.00299	-.00027	-.00001	.00002

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(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402SS

(TJF070) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 70/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.781	.00000	35.55025	1.83808	-.25863	.04795	.12857	-.00287	.00091	.00143
.155	.345	.00000	35.40745	3.93370	-.21315	.03748	.13519	-.00395	.00100	.00152
.155	2.344	.00000	35.23217	5.90658	-.16456	.03000	.14128	-.00458	.00118	.00125
.155	4.359	.00000	35.29173	7.89751	-.11152	.02549	.14709	-.00633	.00125	.00132
.155	5.405	.00000	35.29871	8.93061	-.07996	.02522	.15074	-.00529	.00119	.00121
.154	6.465	.00000	35.12355	9.97858	-.04707	.02585	.15411	-.00379	.00101	.00132
.155	7.268	.00000	35.25493	10.82299	-.01828	.02804	.15718	-.00217	.00087	.00172
.154	8.518	.00000	34.93398	12.00726	.01324	.03004	.16072	-.00538	.00105	.00117
.155	9.467	.00000	35.22571	12.94001	.04912	.03455	.16430	-.00662	.00111	.00129
.154	10.431	.00000	34.93589	13.88233	.08559	.03971	.16826	-.00505	.00110	.00121
.155	11.487	.00000	35.10670	14.93571	.12010	.04673	.17329	-.00590	.00108	.00110
.155	12.549	.00000	35.29028	15.99230	.15508	.05506	.17804	-.00433	.00089	.00137
.155	13.602	.00000	35.25873	17.04432	.19627	.06570	.18406	-.00470	.00087	.00141
.155	14.599	.00000	35.27347	18.03655	.22546	.07549	.18760	-.00544	.00089	.00127
.155	15.640	.00000	35.31666	19.08408	.26548	.08799	.19355	-.00377	.00074	.00135
.155	16.605	.00000	35.28206	20.05089	.30243	.10155	.19876	-.00452	.00085	.00103
.155	17.574	.00000	35.45871	21.02374	.33384	.11490	.20243	-.00432	.00067	.00120
.155	18.558	.00000	35.60195	22.02410	.37015	.13097	.20726	-.00264	.00072	.00090
.156	19.565	.00000	35.67616	23.04012	.40039	.14767	.21113	-.00337	.00089	.00069
.156	20.613	.00000	35.69901	24.10246	.43594	.16620	.21820	-.00503	.00113	.00073
.156	21.626	.00000	35.78263	25.13053	.46291	.18339	.22404	-.00296	.00085	.00087
.156	22.591	.00000	35.64651	26.10203	.48405	.19888	.23322	-.00318	.00104	.00104
.156	23.643	.00000	35.68038	27.18719	.50067	.21385	.24795	-.00265	.00057	.00114
.155	24.561	.00000	35.62948	28.12329	.50837	.22349	.26389	-.00190	.00043	.00202
.156	25.647	.00000	36.00308	29.23788	.50290	.23106	.27685	-.00402	.00023	.00258
.157	26.638	.00000	36.10362	30.24246	.49609	.23701	.29001	-.00477	-.00019	.00312
GRADIENT		.00000	-.04819	.98688	.02398	-.00367	.00302	-.00054	.00006	-.00003

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 703

(CA-8) K3V9.1.2TS5H15.6.1F30

TS402

(TJF071) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.096
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 71/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.644	.00000	35.23393	.92843	-.30425	.05202	.13524	-.00251	.00082	.00123
.154	.385	.00000	35.15577	3.93076	-.24000	.03448	.14620	-.00352	.00100	.00139
.155	2.351	.00000	35.37491	5.88399	-.19673	.02608	.15249	-.00529	.00111	.00126
.155	4.473	.00000	35.34522	7.99813	-.13630	.02025	.15829	-.00284	.00084	.00154
.155	5.403	.00000	35.37149	8.91874	-.11087	.01878	.16118	-.00327	.00089	.00157
.154	6.461	.00000	35.18243	9.96668	-.07680	.01908	.16473	-.00223	.00077	.00187
.155	7.381	.00000	35.27957	10.88268	-.04712	.01993	.16798	-.00237	.00064	.00156
.155	8.465	.00000	35.29531	11.95931	-.01490	.02219	.17180	-.00328	.00089	.00131
.155	9.537	.00000	35.22123	13.02224	.02286	.02624	.17633	-.00235	.00083	.00147
.155	10.413	.00000	35.39613	13.89441	.04591	.02963	.17871	-.00244	.00082	.00128
.155	11.542	.00000	35.28347	15.01664	.08840	.03682	.18477	-.00289	.00100	.00122
.154	12.502	.00000	35.17616	15.97197	.12254	.04416	.18948	-.00250	.00112	.00120
.155	13.566	.00000	35.27129	17.03206	.15524	.05289	.19422	-.00434	.00109	.00118
.155	14.530	.00000	35.28866	17.99955	.19216	.06327	.19985	-.00323	.00115	.00129
.155	15.491	.00000	35.39615	18.95588	.22463	.07431	.20421	-.00364	.00103	.00139
.155	16.590	.00000	35.36514	20.06338	.26527	.08848	.20887	-.00256	.00106	.00125
.155	17.564	.00000	35.41058	21.04049	.30262	.10239	.21415	-.00331	.00141	.00140
.155	18.579	.00000	35.53087	22.07051	.33694	.11722	.21818	-.00087	.00115	.00123
.156	19.580	.00000	35.67078	23.08262	.37442	.13582	.22335	-.00071	.00144	.00114
.155	20.512	.00000	35.24675	24.01681	.40316	.15100	.22840	-.00265	.00138	.00122
.155	21.556	.00000	35.26076	25.07007	.43831	.16961	.23553	-.00108	.00152	.00091
.156	22.543	.00000	35.65916	26.06720	.46102	.18484	.24239	.00040	.00119	.00091
.156	23.569	.00000	35.77543	27.11687	.48347	.20032	.25449	.00179	.00051	.00119
.156	24.487	.00000	35.69510	28.05236	.49580	.21344	.26852	.00190	.00001	.00209
.157	25.575	.00000	36.12959	29.16170	.50091	.22551	.28558	.00171	-.00047	.00400
.157	26.973	.00000	36.08230	30.59173	.48322	.22941	.30712	-.00243	-.00004	.00437
	GRADIENT	.00000	.02186	.99326	.02334	-.00451	.00325	-.00013	.00001	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5

F30G5.3.5TS402

(TJF072) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 72/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.155	-2.855	.00000	35.60479	.80437	-.29929	.05520	.13356	-.00344	.00097	.00108
.155	.343	.00000	35.20251	3.94251	-.22838	.03756	.14392	-.00357	.00088	.00134
.155	2.275	.00000	35.35532	5.84864	-.18199	.02936	.14987	-.00378	.00084	.00143
.154	4.406	.00000	35.00703	7.94486	-.12479	.02369	.15583	-.00304	.00090	.00127
.154	5.382	.00000	34.91465	8.90489	-.09512	.02243	.15896	-.00247	.00081	.00138
.154	6.451	.00000	35.07342	9.96469	-.06221	.02219	.16203	-.00237	.00069	.00124
.154	7.403	.00000	35.09636	10.90457	-.03404	.02329	.16526	-.00319	.00084	.00140
.154	8.427	.00000	35.10671	11.91537	.00065	.02585	.16944	-.00258	.00089	.00115
.154	9.518	.00000	35.08996	12.98814	.03703	.03005	.17344	-.00243	.00095	.00149
.154	10.450	.00000	35.14087	13.91052	.06737	.03455	.17740	-.00284	.00091	.00131
.155	11.606	.00000	35.23086	15.04700	.11154	.04234	.18305	-.00419	.00094	.00136
.155	12.578	.00000	35.27696	16.01263	.13978	.04911	.18712	-.00448	.00113	.00125
.155	13.590	.00000	35.29435	17.01979	.17295	.05791	.19182	-.00570	.00132	.00105
.155	14.485	.00000	35.33706	17.93379	.20675	.06762	.19692	-.00316	.00097	.00154
.155	15.596	.00000	35.50397	19.03030	.23785	.07830	.20030	-.00535	.00105	.00151
.155	16.609	.00000	35.42174	20.04673	.27674	.09204	.20594	-.00562	.00123	.00141
.155	17.475	.00000	35.36517	20.91487	.30960	.10463	.21013	-.00504	.00108	.00143
.155	18.551	.00000	35.37760	22.01145	.34869	.12108	.21487	-.00619	.00151	.00100
.155	19.492	.00000	35.40260	22.95941	.37911	.13655	.21929	-.00348	.00150	.00103
.155	20.591	.00000	35.52847	24.07248	.41406	.15505	.22474	-.00174	.00152	.00083
.155	21.563	.00000	35.59578	25.04849	.44053	.17107	.23088	-.00152	.00127	.00117
.156	22.644	.00000	35.62816	26.14995	.47240	.18875	.23967	-.00126	.00117	.00111
.156	23.608	.00000	35.65670	27.13444	.48639	.20104	.25052	-.00009	.00074	.00105
.155	24.444	.00000	35.57590	27.98591	.49638	.21141	.26202	.00296	-.00027	.00258
.156	25.570	.00000	35.80703	29.13931	.50126	.22358	.27805	.00354	-.00039	.00398
.157	26.907	.00000	36.15096	30.51451	.48321	.22758	.29878	.00164	.00026	.00462
GRADIENT		.00000	-.07144	.98354	.02392	-.00440	.00308	.00004	-.00001	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 705

(CA-8) K3V9.1.2TS5

F30G5.3.5TS402

(TJF073) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 73/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.857	.00000	35.42910	2.80446	-.17185	.04799	.13390	-.00462	.00120	.00104
.154	-.279	.00000	35.04320	5.88301	-.10173	.03629	.14587	-.00584	.00102	.00129
.154	2.400	.00000	34.99636	7.97248	-.05033	.03160	.15268	-.00508	.00100	.00120
.154	4.391	.00000	35.06054	9.93692	.01054	.03252	.16004	-.00535	.00094	.00125
.154	5.435	.00000	35.02893	10.96628	.04106	.03484	.16381	-.00481	.00075	.00104
.154	6.455	.00000	35.11326	11.97130	.07373	.03775	.16818	-.00656	.00094	.00107
.155	7.600	.00000	35.43010	13.10450	.10944	.04318	.17349	-.00388	.00078	.00114
.155	8.527	.00000	35.47169	14.02330	.13710	.04749	.17828	-.00613	.00081	.00098
.155	9.539	.00000	35.38246	15.02271	.16709	.05428	.18303	-.00493	.00093	.00070
.154	10.517	.00000	35.18519	15.97603	.20278	.06233	.18812	-.00475	.00101	.00096
.155	11.555	.00000	35.30775	17.00753	.23325	.07117	.19227	-.00453	.00099	.00109
.155	12.335	.00000	35.31157	17.77771	.26042	.07905	.19587	-.00539	.00089	.00143
.155	13.515	.00000	35.36298	18.95588	.29931	.09288	.20075	-.00411	.00110	.00115
.155	14.441	.00000	35.30606	19.88034	.33770	.10656	.20641	-.00351	.00095	.00137
.155	15.498	.00000	35.26128	20.93999	.37507	.12249	.21068	-.00670	.00118	.00111
.155	16.567	.00000	35.41286	22.01567	.40923	.13862	.21531	-.00362	.00086	.00131
.155	17.557	.00000	35.46706	23.00613	.44967	.15679	.21927	-.00387	.00114	.00112
.155	18.592	.00000	35.62054	24.05535	.47881	.17436	.22273	-.00217	.00103	.00089
.156	19.632	.00000	35.67875	25.10894	.51442	.19578	.22857	-.00369	.00078	.00116
.155	20.585	.00000	35.29259	26.06720	.54255	.21426	.23368	-.00459	.00082	.00133
.155	21.510	.00000	35.33747	26.99829	.56654	.23218	.24041	-.00422	.00096	.00144
.156	22.644	.00000	35.72535	28.14991	.59005	.25332	.24842	-.00148	.00057	.00139
.156	23.588	.00000	35.86332	29.11245	.60237	.26746	.26020	-.00247	.00065	.00167
.156	24.565	.00000	35.85080	30.11577	.60576	.27909	.27464	-.00218	-.00027	.00302
.156	25.672	.00000	35.80402	31.25290	.59583	.28580	.29339	-.00027	-.00124	.00518
.156	26.943	.00000	35.75159	32.55700	.56820	.28483	.31876	-.00265	-.00102	.00554
GRADIENT		.00000	-.05250	.98402	.02490	-.00224	.00358	-.00007	-.00003	.00003

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 706

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF074) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 74/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.728	.00000	35.34213	2.94481	-.17384	.04674	.13499	-.00269	.00116	.00150
.155	.305	.00000	35.22332	5.92623	-.13489	.03560	.14613	-.00579	.00099	.00118
.155	2.306	.00000	35.20768	7.89159	-.05260	.03166	.15319	-.00635	.00101	.00094
.155	4.413	.00000	35.33316	9.97660	.00939	.03280	.16090	-.00492	.00095	.00136
.155	6.486	.00000	35.34467	12.01525	.07274	.03815	.16944	-.00694	.00105	.00109
.154	8.500	.00000	35.19299	14.00517	.13504	.04772	.17967	-.00419	.00081	.00121
.155	10.320	.00000	35.29224	15.79517	.19305	.06049	.18899	-.00616	.00124	.00070
.155	12.605	.00000	35.20269	18.04888	.27133	.08288	.19993	-.00573	.00135	.00086
.155	14.439	.00000	35.28111	19.88450	.32948	.10549	.20835	-.00355	.00108	.00107
.155	16.602	.00000	35.29839	22.04519	.41536	.14081	.21903	-.00325	.00113	.00102
.155	18.408	.00000	35.40971	23.86278	.48187	.17471	.22673	-.00492	.00125	.00109
.155	20.556	.00000	35.61682	26.03673	.54779	.21680	.23811	-.00357	.00102	.00116
.155	22.573	.00000	35.47496	28.07896	.59395	.25451	.25324	-.00270	.00051	.00158
.155	24.663	.00000	35.60261	30.21078	.60759	.28247	.28014	.00171	-.00069	.00299
.157	27.007	.00000	36.15508	32.60807	.56628	.28670	.32432	-.00229	-.00154	.00605
	GRADIENT	.00000	-.00376	.98440	.02555	-.00204	.00362	-.00035	-.00003	-.00003

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 707

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJF075) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 75/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-1.862	.00000	35.13072	3.77999	-.15341	.04294	.13821	-.00312	.00111	.00142
.154	.420	.00000	35.13403	6.03035	-.10266	.03546	.14644	-.00287	.00083	.00150
.154	2.347	.00000	35.04509	7.92907	-.05543	.03146	.15301	-.00495	.00079	.00129
.154	4.422	.00000	35.12963	9.97461	.01381	.03308	.16136	-.00644	.00101	.00114
.154	5.437	.00000	35.10624	11.00509	.04274	.03494	.16525	-.00531	.00080	.00133
.155	6.403	.00000	35.25159	11.93135	.07261	.03785	.16906	-.00559	.00081	.00117
.154	7.564	.00000	35.14207	13.07841	.10308	.04226	.17417	-.00485	.00086	.00121
.155	8.485	.00000	35.35915	13.99107	.13449	.04749	.17906	-.00462	.00094	.00125
.155	9.547	.00000	35.26658	15.03890	.16256	.05339	.18423	-.00389	.00103	.00111
.155	10.424	.00000	35.35299	15.90082	.19666	.06108	.18870	-.00614	.00121	.00084
.155	11.440	.00000	35.33718	16.90126	.22958	.07049	.19405	-.00453	.00103	.00105
.155	12.633	.00000	35.22346	18.07767	.27553	.08409	.20000	-.00385	.00102	.00134
.155	13.473	.00000	35.29139	18.91868	.23971	.09324	.20368	-.00509	.00130	.00107
.155	14.499	.00000	35.39723	19.94272	.33728	.10791	.20925	-.00444	.00130	.00100
.155	15.514	.00000	35.39925	20.95673	.37747	.12397	.21390	-.00343	.00101	.00108
.155	16.501	.00000	35.35156	21.94820	.41134	.13908	.21777	-.00423	.00113	.00122
.155	17.738	.00000	35.45626	23.18893	.45814	.16218	.22356	-.00455	.00118	.00098
.155	18.496	.00000	35.60344	23.95689	.48179	.17553	.22609	-.00396	.00106	.00116
.155	19.734	.00000	35.52882	25.20831	.52433	.20088	.23228	-.00241	.00072	.00124
.155	20.579	.00000	35.64264	26.06285	.54802	.21742	.23763	-.00215	.00079	.00151
.156	21.494	.00000	35.67912	26.98512	.56766	.23389	.24300	-.00158	.00028	.00178
.156	22.640	.00000	35.69988	28.15434	.59491	.25597	.25305	-.00355	.00072	.00170
.156	23.552	.00000	35.76969	29.08111	.60610	.26925	.26561	.00052	.00038	.00150
.156	24.519	.00000	35.75933	30.07056	.60732	.28057	.27736	.00275	-.00025	.00276
.156	25.461	.00000	35.72829	31.02896	.60470	.28887	.29419	.00346	-.00158	.00529
.156	26.968	.00000	35.91010	32.57557	.56549	.28541	.32349	.00068	-.00089	.00497
GRADIENT		.00000	-.00432	.98574	.02637	-.00163	.00366	-.00057	-.00002	-.00005

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 708

(CA-8) K3V9.1.2TS5H15.6.1F30G5.3.5TS402

(TJFG76) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 76/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.709	.00000	35.19950	2.94823	-.16924	.04719	.13523	-.00178	.00102	.00154
.154	.303	.00000	35.09904	5.91346	-.10055	.03612	.14683	-.00398	.00060	.00165
.154	2.329	.00000	35.12301	7.90935	-.05187	.03226	.15317	-.00690	.00089	.00112
.154	4.324	.00000	35.15562	9.87939	.01221	.03421	.16066	-.00647	.00096	.00132
.155	6.459	.00000	35.33136	11.99128	.07455	.03897	.16926	-.00798	.00093	.00111
.155	8.407	.00000	35.33098	13.91454	.13484	.04772	.17863	-.00754	.00112	.00106
.155	10.527	.00000	35.20843	16.00043	.20472	.06341	.19026	-.00669	.00108	.00090
.155	12.604	.00000	35.23756	18.05299	.27341	.08436	.19974	-.00674	.00126	.00098
.154	14.465	.00000	35.18998	19.91360	.34045	.10856	.20870	-.00456	.00112	.00104
.155	16.469	.00000	35.27659	21.91869	.41112	.13994	.21773	-.00713	.00136	.00107
.155	18.516	.00000	35.49595	23.97829	.48086	.17626	.22501	-.00684	.00133	.00078
.155	20.415	.00000	35.63468	25.90188	.54460	.21498	.23617	-.00503	.00115	.00107
.156	22.411	.00000	35.69170	27.92392	.59517	.25378	.25159	-.00366	.00069	.00151
.155	24.435	.00000	35.59996	29.98924	.61821	.28423	.27965	.00159	-.00093	.00372
.156	26.972	.00000	35.88046	32.58486	.56690	.28659	.32265	.00064	-.00125	.00580
	GRADIENT	.00000	-.00606	.98542	.02546	-.00195	.00358	-.00074	-.00000	-.00005

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 709

(CA-8) K3V9.1.2TS5H15.6.1F20G5.3.5TS402

(TJF077) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 77/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.847	.00000	35.00326	.83905	-.15786	.05155	.10441	-.00308	.00076	.00121
.154	.300	.00000	35.09624	3.94839	-.08295	.04432	.11231	-.00600	.00097	.00110
.154	2.197	.00000	34.97641	5.81820	-.03633	.04018	.11789	-.00424	.00069	.00143
.154	4.290	.00000	35.08923	7.88370	.02239	.03863	.12422	-.00478	.00079	.00110
.154	5.326	.00000	35.11993	8.90687	.05197	.03995	.12751	-.00316	.00055	.00160
.154	6.356	.00000	35.15275	9.92105	.08150	.04224	.13096	-.00338	.00074	.00132
.154	7.321	.00000	35.17768	10.87671	.10798	.04494	.13434	-.00508	.00074	.00144
.154	8.430	.00000	35.20465	11.97330	.14136	.04972	.13857	-.00530	.00070	.00117
.155	9.400	.00000	35.23402	12.92998	.17183	.05551	.14323	-.00548	.00081	.00133
.154	10.414	.00000	35.20078	13.93065	.19980	.06109	.14749	-.00521	.00082	.00136
.154	11.523	.00000	35.17827	15.02271	.23816	.07073	.15373	-.00346	.00079	.00113
.154	12.432	.00000	35.18956	15.91912	.26211	.07839	.15730	-.00372	.00077	.00120
.154	13.416	.00000	35.19914	16.89309	.29582	.08902	.16292	-.00544	.00094	.00151
.155	14.419	.00000	35.28174	17.89270	.32977	.10124	.16820	-.00570	.00105	.00129
.155	15.456	.00000	35.30123	18.92281	.36575	.11473	.17330	-.00508	.00091	.00127
.155	16.546	.00000	35.40125	20.01760	.40245	.12980	.17849	-.00633	.00102	.00096
.155	17.467	.00000	35.41117	20.93999	.43436	.14418	.18276	-.00529	.00066	.00130
.155	18.446	.00000	35.51373	21.92291	.46944	.16076	.18740	-.00597	.00105	.00111
.155	19.495	.00000	35.51283	22.97640	.50057	.17852	.19239	-.00336	.00085	.00161
.155	20.540	.00000	35.40817	24.02537	.53165	.19744	.19780	-.00366	.00092	.00138
.155	21.516	.00000	35.42027	25.01396	.55661	.21464	.20558	-.00340	.00095	.00179
.155	22.675	.00000	35.34771	26.18481	.56831	.22873	.21830	-.00208	.00095	.00183
.155	23.547	.00000	35.39563	27.06415	.56426	.23272	.23134	-.00277	.00088	.00175
.156	24.608	.00000	35.71158	28.14547	.55859	.23824	.24586	-.00098	.00018	.00323
.156	25.887	.00000	35.88663	30.46458	.54247	.25468	.27397	-.00350	-.00082	.00622
GRADIENT		.00000	.00682	.98700	.02511	-.00187	.00277	-.00018	-.00000	-.00000

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 710

(CA-8) K3V9.1.2TS5H15.6.1F20

TS402

(TJF078) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 78/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.773	.00000	35.41870	.85908	-.15065	.05759	.10405	-.00290	.00098	.00112
.155	.258	.00000	35.30816	3.86516	-.08588	.04675	.11266	-.00643	.00096	.00109
.155	2.259	.00000	35.22380	5.85650	-.03911	.04179	.11894	-.00414	.00072	.00118
.154	4.313	.00000	35.17132	7.89554	.01708	.03999	.12477	-.00132	.00059	.00163
.154	6.240	.00000	35.19975	9.80600	.07664	.04350	.13138	-.00239	.00074	.00160
.154	8.322	.00000	35.21712	11.87543	.13778	.05059	.13915	-.00317	.00069	.00131
.154	10.393	.00000	35.21679	13.93669	.20131	.06295	.14870	-.00242	.00077	.00144
.155	12.421	.00000	35.22858	15.95570	.26189	.07948	.15876	-.00314	.00082	.00136
.155	14.426	.00000	35.26510	17.94201	.32619	.10175	.16965	-.00419	.00093	.00160
.155	16.432	.00000	35.29110	19.95103	.39022	.12771	.17944	-.00296	.00062	.00158
.155	18.508	.00000	35.35493	22.02832	.46819	.16309	.18984	-.00353	.00083	.00142
.155	20.471	.00000	35.48386	24.01253	.52731	.19815	.20071	-.00010	.00074	.00160
.155	22.484	.00000	35.58465	26.03673	.56676	.22888	.21831	-.00223	.00122	.00172
.155	24.545	.00000	35.44387	28.13216	.56681	.24385	.25254	-.00013	.00013	.00288
.155	26.892	.00000	35.59733	30.50543	.54765	.25819	.28311	.00060	-.00165	.00533
	GRADIENT	.00000	-.03563	.99314	.02352	-.00254	.00294	.00023	-.00006	.00007

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 711

(CA-8) K3V9.1.2TS5H15.6.1F20

TS402

(TJF079) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 79/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.778	.00000	35.18761	.84540	-.15256	.05839	.10311	-.00386	.00110	.00099
.154	.176	.00000	35.13699	3.77705	-.08515	.04755	.11264	-.00695	.00106	.00115
.154	2.191	.00000	35.10073	5.78186	-.03888	.04241	.11837	-.00418	.00072	.00157
.154	4.248	.00000	35.14908	7.82453	.01365	.04023	.12434	-.00226	.00078	.00157
.154	5.244	.00000	35.14992	8.81194	.04818	.04169	.12792	-.00554	.00079	.00121
.154	6.428	.00000	35.16898	9.98850	.08207	.04403	.13195	-.00390	.00062	.00158
.154	7.251	.00000	35.16775	10.80508	.10466	.04698	.13480	-.00479	.00065	.00127
.155	9.315	.00000	35.22391	12.85580	.16669	.05659	.14331	-.00354	.00070	.00163
.154	10.407	.00000	35.21612	13.94273	.19994	.06393	.14830	-.00534	.00089	.00108
.154	11.417	.00000	35.19103	14.93571	.23238	.07156	.15390	-.00475	.00084	.00130
.154	12.469	.00000	35.12582	15.98417	.26302	.08095	.15932	-.00607	.00092	.00131
.154	13.482	.00000	35.17902	16.99117	.29486	.09131	.16449	-.00677	.00120	.00108
.155	14.545	.00000	35.25061	18.05299	.32712	.10337	.16951	-.00378	.00062	.00174
.155	15.502	.00000	35.28300	19.00549	.36031	.11579	.17499	-.00640	.00120	.00098
.155	16.490	.00000	35.32887	19.99679	.39257	.12942	.17927	-.00536	.00076	.00149
.155	17.451	.00000	35.54264	20.94836	.42973	.14548	.18422	-.00562	.00099	.00110
.155	17.707	.00000	35.47940	21.20397	.43621	.14950	.18520	-.00513	.00084	.00135
.155	18.521	.00000	35.37279	22.03676	.46445	.16222	.18949	-.00546	.00087	.00149
.155	19.512	.00000	35.45991	23.02738	.49477	.17942	.19417	-.00280	.00075	.00152
.155	20.602	.00000	35.49168	24.12817	.52844	.19972	.20047	-.00252	.00075	.00157
.155	21.611	.00000	35.54571	25.13917	.55119	.21695	.20799	-.00356	.00110	.00168
.155	22.627	.00000	35.62437	26.16302	.56292	.22949	.21890	-.00230	.00082	.00187
.155	23.475	.00000	35.58289	27.03780	.56174	.23490	.23346	-.00238	.00094	.00164
.155	24.508	.00000	35.50143	28.08782	.55749	.24089	.25072	-.00198	.00044	.00273
.155	25.593	.00000	35.50618	29.19306	.55182	.24816	.26421	-.00214	-.00005	.00290
.156	26.877	.00000	35.77506	30.49181	.53948	.25580	.28095	-.00364	-.00127	.00522
GRADIENT		.00000	-.00721	.99343	.02355	-.00263	.00302	.00027	-.00006	.00009

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20

TS402

(TJF080) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 80/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.818	.00000	35.23571	.80339	-.15147	.05898	.10321	-.00296	.00086	.00089
.155	.231	.00000	35.26475	3.82502	-.08422	.04747	.11240	-.00549	.00091	.00094
.154	2.160	.00000	35.19490	5.73768	-.03640	.04309	.11847	-.00510	.00093	.00093
.154	4.341	.00000	35.21954	7.90737	.02122	.04133	.12502	-.00224	.00080	.00148
.155	6.376	.00000	35.24100	9.92898	.08293	.04438	.13152	-.00286	.00078	.00147
.155	8.436	.00000	35.31718	11.97330	.14443	.05306	.13961	-.00310	.00085	.00116
.155	10.475	.00000	35.24292	14.00718	.20409	.06469	.14813	-.00340	.00076	.00149
.155	12.425	.00000	35.32922	15.93944	.26754	.08216	.15906	-.00498	.00124	.00101
.155	14.314	.00000	35.36039	17.81466	.32650	.10239	.16884	-.00322	.00102	.00123
.155	16.496	.00000	35.32959	19.99263	.40521	.13280	.17989	-.00479	.00117	.00110
.155	18.517	.00000	35.39663	22.02410	.47091	.16443	.18923	-.00159	.00079	.00145
.155	20.543	.00000	35.62882	24.06391	.53261	.20045	.20034	-.00188	.00135	.00108
.156	22.567	.00000	35.79655	26.10203	.56582	.22954	.21960	-.00218	.00121	.00171
.155	24.614	.00000	35.53690	28.17209	.55826	.24254	.24994	-.00097	.00046	.00275
.157	26.863	.00000	36.26830	30.47366	.54267	.25648	.28126	-.00268	-.00125	.00482
GRADIENT		.00000	-.00449	.99219	.02408	-.00251	.00305	.00006	-.00001	.00007

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS402

(TJF081) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 81/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.154	-2.792	.00000	35.16622	.81316	-.14821	.05921	.10327	-.00404	.00066	.00096
.154	.213	.00000	35.06889	3.79859	-.09181	.04825	.11214	-.00460	.00077	.00126
.154	2.205	.00000	35.10807	5.77499	-.03585	.04396	.11771	-.00808	.00091	.00079
.154	4.360	.00000	35.13843	7.91329	.02363	.04259	.12459	-.00523	.00077	.00119
.154	6.346	.00000	35.12538	9.88534	.07960	.04552	.13095	-.00291	.00068	.00140
.154	8.274	.00000	35.12262	11.80354	.13815	.05309	.13822	-.00464	.00075	.00162
.154	10.548	.00000	35.17344	14.06762	.20904	.06666	.14894	-.00536	.00085	.00108
.154	12.464	.00000	35.02982	15.96384	.27032	.08366	.15856	-.00802	.00122	.00087
.154	14.484	.00000	35.08116	17.97900	.33119	.10559	.16894	-.00475	.00087	.00139
.154	16.545	.00000	35.17507	20.03425	.40569	.13408	.17971	-.00444	.00077	.00125
.155	18.518	.00000	35.28086	22.01988	.47298	.16598	.18920	-.00447	.00106	.00138
.155	20.548	.00000	35.54040	24.06819	.53211	.20143	.19995	-.00437	.00111	.00150
.155	22.448	.00000	35.60126	25.98016	.56907	.23050	.21700	-.00421	.00124	.00168
.155	24.488	.00000	35.54754	28.05236	.57058	.24563	.25116	-.00210	.00019	.00302
.156	26.848	.00000	36.12208	30.45097	.54464	.25809	.28113	-.00262	-.00101	.00478
	GRADIENT	.00000	-.00315	.99273	.02386	-.00237	.00296	-.00030	.00002	.00001

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF082) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 82/ 0 RN/L = .00 GRADIENT INTERVAL * -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.773	.00000	35.23695	.89424	-.14401	.02657	.09337	-.00511	.00058	.00098
.154	.147	.00000	35.09097	3.79663	-.08459	.01690	.10369	-.00428	.00036	.00175
.154	2.302	.00000	35.04416	5.93899	-.03027	.01290	.11192	-.00290	.00015	.00164
.154	4.360	.00000	35.18692	7.98629	.02972	.01241	.11898	-.00393	.00020	.00142
.154	6.385	.00000	35.18528	9.99445	.08837	.01597	.12535	-.00406	.00013	.00167
.154	8.303	.00000	35.11957	11.90339	.14853	.02332	.13222	-.00387	.00015	.00146
.154	10.396	.00000	35.15566	13.98301	.21098	.03491	.14000	-.00413	.00015	.00158
.154	12.371	.00000	35.20025	15.93944	.27790	.05157	.14838	-.00388	.00020	.00143
.154	14.438	.00000	35.18055	17.99544	.34688	.07334	.15828	-.00414	.00026	.00148
.154	16.471	.00000	35.20501	20.02176	.41885	.10007	.16862	-.00594	.00024	.00115
.155	18.502	.00000	35.52097	22.07051	.48670	.13250	.17837	-.00150	-.00016	.00123
.155	20.515	.00000	35.47012	24.09389	.54914	.16804	.19163	-.00169	-.00006	.00121
.155	22.519	.00000	35.53296	26.12381	.58560	.19934	.21293	-.00124	-.00007	.00159
.155	24.487	.00000	35.65791	28.12773	.57571	.21081	.24579	-.00407	-.00044	.00195
.155	26.884	.00000	35.78880	30.57355	.55053	.22330	.28093	-.00766	-.00153	.00439
	GRADIENT	.00000	-.01042	.99423	.02426	-.00203	.00361	.00022	-.00006	.00006

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2T55H15.6.1F20TS401

(TJF083) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 83/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.765	.00000	35.07737	.91183	-.14370	.02676	.09379	-.00899	.00089	.00115
.154	.193	.00000	35.03162	3.85048	-.07788	.01725	.10479	-.00872	.00047	.00139
.154	2.248	.00000	34.97641	5.88890	-.02867	.01295	.11198	-.01135	.00023	.00114
.154	4.299	.00000	35.18835	7.93105	.02534	.01242	.11862	-.00939	.00012	.00132
.154	5.246	.00000	35.18945	8.86929	.05174	.01376	.12150	-.00721	.00012	.00181
.154	6.393	.00000	35.20204	10.01033	.08785	.01619	.12529	-.01044	.00026	.00098
.155	7.375	.00000	35.24796	10.98220	.11906	.01988	.12881	-.00840	.00017	.00129
.154	8.277	.00000	35.17912	11.88142	.14809	.02372	.13207	-.01028	.00017	.00108
.154	9.476	.00000	35.21059	13.07239	.18081	.02968	.13571	-.00820	.00007	.00126
.154	10.461	.00000	35.22789	14.04344	.21778	.03650	.14025	-.01002	.00028	.00099
.154	11.356	.00000	35.19855	14.93571	.24412	.04305	.14400	-.00944	.00024	.00148
.154	12.429	.00000	35.14238	16.00450	.27770	.05224	.14849	-.00981	.00019	.00119
.155	13.508	.00000	35.23612	17.07704	.31469	.06325	.15356	-.00889	.00025	.00135
.155	14.428	.00000	35.24020	17.99133	.34671	.07377	.15809	-.01144	.00059	.00086
.155	15.500	.00000	35.34160	19.05512	.38303	.08709	.16299	-.00916	.00031	.00129
.155	16.565	.00000	35.34940	20.12166	.41967	.10155	.16855	-.00985	.00013	.00111
.155	17.574	.00000	35.48138	21.13269	.45035	.11598	.17290	-.00901	.00005	.00111
.154	18.465	.00000	35.10048	22.02832	.48776	.13229	.17858	-.00939	.00002	.00108
.155	19.444	.00000	35.34423	23.01463	.51602	.14897	.18393	-.00774	.00000	.00092
.155	20.545	.00000	35.33369	24.11103	.54731	.16847	.19112	-.00662	-.00008	.00110
.155	21.579	.00000	35.36062	25.15645	.57556	.18708	.20217	-.00732	.00025	.00091
.155	22.555	.00000	35.45323	26.15431	.58555	.19989	.21350	-.00566	-.00005	.00139
.155	23.670	.00000	35.58715	27.30157	.58064	.20655	.23321	-.00628	-.00027	.00163
.156	24.507	.00000	35.97679	28.14547	.57453	.21020	.24935	-.00732	-.00021	.00163
.156	25.600	.00000	35.94208	29.25581	.56472	.21627	.26238	-.00708	-.00074	.00229
.156	26.879	.00000	35.84171	30.56447	.54982	.22345	.28266	-.00961	-.00175	.00478
	GRADIENT	.00000	.01015	.99349	.02385	-.00209	.00352	-.00016	-.00011	.00001

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF094) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 84/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.731	.00000	35.00326	.91476	-.13950	.02611	.09369	-.01053	.00084	.00125
.154	.166	.00000	34.92521	3.81132	-.08065	.01737	.10395	-.01074	.00047	.00159
.154	2.373	.00000	34.94161	6.00186	-.02261	.01372	.11212	-.00982	.00030	.00149
.154	4.252	.00000	34.97755	7.87384	.02724	.01331	.11836	-.00946	.00016	.00119
.154	6.279	.00000	34.97683	9.88335	.08643	.01669	.12499	-.00857	.00013	.00145
.154	8.281	.00000	35.02032	11.87543	.14893	.02429	.13226	-.00839	.00003	.00154
.154	10.237	.00000	34.98211	13.81590	.21043	.03588	.13933	-.00912	.00027	.00113
.154	12.506	.00000	35.08734	16.06958	.28731	.05429	.14880	-.00877	.00038	.00111
.154	14.343	.00000	35.13705	17.89681	.34430	.07310	.15744	-.00911	.00028	.00155
.155	16.433	.00000	35.27548	19.98015	.41528	.10032	.16785	-.00937	.00027	.00117
.155	18.496	.00000	35.37483	22.05363	.48953	.13320	.17926	-.00931	.00007	.00084
.155	20.535	.00000	35.50727	24.10674	.55378	.17072	.19239	-.00659	.00000	.00088
.155	22.450	.00000	35.65746	26.04543	.58653	.19992	.21166	-.00573	-.00026	.00154
.155	24.536	.00000	35.62006	28.16765	.57539	.21156	.24720	-.00741	-.00015	.00137
.156	26.883	.00000	35.72739	30.54630	.54993	.22357	.28179	-.00961	-.00159	.00464
GRADIENT		.00000	-.00373	.99356	.02388	-.00187	.00354	.00017	-.00010	-.00001

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2T55

F20TS401

(TJF085) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 6.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 85/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.155	-2.902	.00000	35.38773	.76872	-.14315	.02898	.09352	-.00319	.00035	.00138
.154	-1.834	.00000	35.10535	1.82880	-.12119	.02534	.09762	-.00545	.00053	.00142
.154	.240	.00000	35.16009	3.89552	-.07797	.01873	.10488	-.00469	.00025	.00157
.154	2.242	.00000	35.23514	5.88890	-.02602	.01502	.11222	-.00641	.00003	.00105
.154	4.253	.00000	35.06506	7.88962	.02587	.01416	.11837	-.00399	.00022	.00179
.154	5.277	.00000	35.05086	8.90687	.05244	.01534	.12106	-.00233	.00013	.00163
.155	6.346	.00000	35.27409	9.97461	.08558	.01767	.12463	-.00165	.00006	.00184
.154	7.369	.00000	35.03831	10.98618	.11945	.02132	.12811	-.00405	.00012	.00161
.155	8.344	.00000	35.36409	11.95732	.14887	.02527	.13132	-.00446	.00005	.00150
.154	9.354	.00000	35.24845	12.94402	.18152	.03097	.13502	-.00390	.00011	.00140
.154	10.357	.00000	35.08856	13.92864	.20994	.03641	.13853	-.00623	.00024	.00122
.154	11.402	.00000	34.82604	14.97415	.23992	.04403	.14224	-.00401	.00022	.00160
.154	12.405	.00000	35.12618	15.97197	.27727	.05305	.14722	-.00716	.00041	.00109
.154	13.456	.00000	35.23885	17.01979	.31529	.06359	.15191	-.00733	.00055	.00117
.154	14.441	.00000	35.15589	17.99955	.34671	.07454	.15670	-.00567	.00043	.00125
.155	15.503	.00000	35.34193	19.06339	.38138	.08771	.16161	-.00685	.00049	.00115
.155	16.470	.00000	35.53424	20.02592	.41195	.10020	.16582	-.00519	.00031	.00119
.154	17.553	.00000	35.24498	21.11173	.44887	.11613	.17068	-.00408	.00003	.00147
.155	18.468	.00000	35.32606	22.03254	.48164	.13169	.17573	-.00391	-.00014	.00156
.155	19.552	.00000	35.64946	23.12513	.51355	.14999	.18177	-.00163	-.00020	.00137
.155	20.526	.00000	35.50459	24.09818	.54525	.16328	.18873	-.00096	-.00025	.00135
.155	21.495	.00000	35.50240	25.06576	.57061	.18520	.19729	-.00046	-.00028	.00160
.155	22.499	.00000	35.49312	26.08462	.58441	.19366	.20822	-.00153	.00003	.00114
.155	23.499	.00000	35.51098	27.10808	.57974	.20535	.22497	-.00212	-.00009	.00123
.156	24.533	.00000	36.06491	28.17652	.57044	.20945	.24289	-.00504	-.00032	.00177
.156	25.513	.00000	35.98897	29.17514	.56134	.21440	.25812	-.00516	-.00062	.00224
.156	26.883	.00000	35.84024	30.57355	.54749	.22251	.27753	-.00997	-.00151	.00468
	GRADIENT	.00000	-.02510	.99546	.02364	-.00214	.00349	-.00011	-.00004	.00002

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(CA-8) K3V9.1.2TS5

F20TS402

(TJF086) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 86/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.865	.00000	35.39975	.71646	-.15485	.05963	.10183	-.00252	.00046	.00141
.155	-1.872	.00000	35.29653	1.70029	-.13305	.05515	.10504	-.00535	.00064	.00080
.154	.213	.00000	35.19221	3.77509	-.08672	.04818	.11152	-.00360	.00047	.00175
.154	2.251	.00000	35.21515	5.80347	-.03940	.04338	.11778	-.00333	.00031	.00136
.154	4.304	.00000	35.18018	7.84031	.01424	.04045	.12373	-.00341	.00031	.00167
.154	5.287	.00000	35.17899	8.81985	.04559	.04229	.12740	-.00712	.00048	.00125
.155	6.297	.00000	35.27241	9.82385	.07063	.04373	.13070	-.00446	.00040	.00129
.154	7.345	.00000	35.22787	10.86477	.10021	.04627	.13377	-.00327	.00037	.00177
.154	8.354	.00000	35.21821	11.86744	.13468	.05085	.13851	-.00362	.00029	.00156
.154	9.386	.00000	35.05033	12.88788	.16544	.05580	.14283	-.00441	.00036	.00139
.154	10.422	.00000	35.12656	13.92058	.19725	.06228	.14771	-.00419	.00048	.00116
.154	11.379	.00000	35.15246	14.86695	.22453	.06952	.15261	-.00560	.00036	.00134
.154	12.407	.00000	35.21374	15.88863	.25968	.07892	.15795	-.00446	.00047	.00139
.154	13.431	.00000	35.22643	16.90944	.29158	.08939	.16349	-.00573	.00078	.00078
.155	14.429	.00000	35.26527	17.90503	.31820	.09983	.16806	-.00361	.00040	.00136
.154	15.444	.00000	35.24836	18.91868	.35533	.11279	.17382	-.00486	.00040	.00140
.155	16.525	.00000	35.29464	20.00096	.38781	.12701	.17911	-.00645	.00079	.00092
.155	17.532	.00000	35.36813	21.00698	.42151	.14229	.18302	-.00295	.00024	.00133
.155	18.493	.00000	35.43226	21.98615	.45606	.15852	.18843	-.00413	.00072	.00100
.155	19.493	.00000	35.43516	22.98489	.48937	.17611	.19371	-.00330	.00045	.00126
.155	20.499	.00000	35.43954	23.99113	.52271	.19560	.19938	-.00299	.00036	.00144
.155	21.491	.00000	35.44497	24.99238	.54866	.21248	.20694	-.00248	.00016	.00177
.155	22.508	.00000	35.55719	25.98016	.56208	.22563	.21678	-.00230	.00030	.00159
.155	23.516	.00000	35.56836	27.01146	.56112	.23275	.23237	-.00356	.00056	.00121
.156	24.502	.00000	35.79064	28.02577	.55368	.23703	.24814	-.00395	.00003	.00220
.156	25.510	.00000	35.78376	29.05874	.54644	.24284	.26197	-.00192	-.00042	.00297
.156	26.939	.00000	36.02085	30.51451	.53806	.25293	.27844	-.00508	-.00155	.00461
GRADIENT		.00000	-.02668	.99407	.02344	-.00267	.00306	.00006	-.00004	.00007

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5

F20TS401

(TJF087) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 87/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	
.154	-2.869	.00000	35.24834	2.79615	-.03545	.02842	.09925	-.00496	.00016	.00106	
.154	-1.814	.00000	35.17296	3.83775	-.00417	.02591	.10440	-.00180	.00036	.00243	
.154	.233	.00000	35.06072	5.88203	.03560	.02383	.11137	-.00658	-.00013	.00136	
.154	2.264	.00000	35.23359	7.89554	.09008	.02460	.11822	-.00425	-.00010	.00181	
.154	4.300	.00000	35.11722	9.91906	.14942	.02933	.12553	-.00492	-.00027	.00167	
.154	5.272	.00000	35.18994	10.88666	.18167	.03304	.12881	-.00573	-.00025	.00130	
.154	6.335	.00000	35.16774	11.93534	.21312	.03802	.13295	-.00556	-.00036	.00124	
.154	7.359	.00000	35.21529	12.95405	.24138	.04355	.13738	-.00665	-.00016	.00081	
.154	8.352	.00000	35.23777	13.94273	.27357	.05043	.14190	-.00684	-.00017	.00081	
.154	9.426	.00000	35.09716	15.00248	.30965	.05855	.14737	-.00607	-.00027	.00113	
.154	10.439	.00000	35.07427	16.00857	.33458	.06702	.15095	-.00533	-.00027	.00108	
.155	11.401	.00000	35.30664	16.96665	.35694	.07737	.15530	-.00535	-.00019	.00064	
.155	12.407	.00000	35.29952	17.97078	.39943	.08854	.15939	-.00787	-.00011	.00090	
.155	13.436	.00000	35.31522	18.98482	.44225	.10384	.16410	-.00545	-.00022	.00081	
.155	14.444	.00000	35.38832	19.99263	.47726	.11843	.16901	-.00758	-.00024	.00093	
.155	15.479	.00000	35.37110	21.01536	.50917	.13418	.17191	-.00576	-.00012	.00080	
.155	16.492	.00000	35.38577	22.03254	.54418	.15147	.17652	-.00449	-.00026	.00117	
.155	17.515	.00000	35.38681	23.05287	.57843	.17029	.18193	-.00509	-.00005	.00094	
.155	18.495	.00000	35.51735	24.04250	.61092	.19004	.18779	-.00482	-.00024	.00118	
.155	19.491	.00000	35.42417	25.04849	.64121	.21037	.19396	-.00403	-.00024	.00123	
.155	20.500	.00000	35.33766	26.05414	.66985	.23229	.20004	-.00468	-.00022	.00137	
.155	21.497	.00000	35.40693	27.03780	.68883	.25072	.20697	-.00478	-.00004	.00120	
.155	22.558	.00000	35.41318	28.11443	.70223	.26851	.22204	-.00520	.00054	.00068	
.156	23.513	.00000	35.78328	29.09006	.69109	.27391	.24061	-.00344	.00042	.00055	
.156	24.507	.00000	35.77230	30.11125	.67689	.27918	.25939	-.00512	.00009	.00096	
.156	25.596	.00000	35.87930	31.23460	.64590	.27635	.28300	-.00479	-.00066	.00207	
.156	26.963	.00000	35.99763	32.62665	.62337	.28161	.30370	-.01209	-.00163	.00463	
GRADIENT		.00000	-.00966	.99395	.02520	.00009	.00359	-.00015	-.00007	.00002	

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF088) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.X0
 LREF = 474.8100 IN. YMRP = .0000 IN.Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.Z0
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAR = 3.000 ELEVTR = .000
 IOR6 = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 88/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.774	.00000	35.02027	2.89248	-.03039	.02758	.10008	-.00547	.00027	.00108
.154	-1.857	.00000	34.99418	3.78978	-.01200	.02562	.10340	-.00733	.00019	.00075
.154	.237	.00000	34.99051	5.88105	.03836	.02306	.11114	-.00756	-.00002	.00116
.155	2.285	.00000	35.45753	7.91724	.09265	.02400	.11782	-.00622	-.00026	.00106
.154	4.289	.00000	34.82395	9.90716	.15253	.02875	.12484	-.00445	-.00020	.00132
.154	6.322	.00000	35.03399	11.92136	.21498	.03773	.13247	-.00362	-.00029	.00117
.155	8.393	.00000	35.43139	13.97294	.27724	.05047	.14175	-.00536	-.00015	.00095
.154	10.453	.00000	35.13129	16.00450	.34173	.06804	.15085	-.00629	-.00021	.00096
.154	12.441	.00000	34.86746	17.98311	.40166	.08999	.15869	-.00710	-.00004	.00036
.155	14.447	.00000	35.43536	19.97183	.47695	.11863	.16700	-.00481	-.00032	.00089
.154	16.472	.00000	35.34023	21.99880	.54596	.15212	.17573	-.00483	-.00020	.00100
.154	18.504	.00000	35.12572	24.02537	.61523	.19217	.18668	-.00298	-.00036	.00129
.155	20.517	.00000	35.65233	26.04979	.67389	.23450	.19948	-.00493	-.00014	.00108
.155	22.567	.00000	35.57373	28.11886	.70386	.27076	.21912	-.00525	.00024	.00094
.156	24.552	.00000	35.88303	30.13838	.67871	.28138	.26030	-.00390	.00003	.00073
.156	26.964	.00000	36.13010	32.60343	.62449	.28401	.30192	-.01099	-.00158	.00471
	GRADIENT	.00000	.00348	.99410	.02588	.00010	.00350	-.00021	-.00008	.00005

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF089) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORR = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 89' 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.768	.00000	35.33699	2.90226	-.02965	.02657	.10039	-.00343	.00035	.00193
.155	-1.811	.00000	35.31857	3.85341	-.01106	.02453	.10375	-.00572	.00033	.00080
.155	.236	.00000	35.27375	5.88989	.03913	.02218	.11138	-.00449	.00015	.00141
.154	2.303	.00000	35.20016	7.93697	.09362	.02316	.11828	-.00525	-.00020	.00146
.154	4.266	.00000	35.01606	9.88931	.15276	.02783	.12481	-.00442	-.00017	.00127
.155	6.347	.00000	35.28558	11.95132	.21891	.03703	.13301	-.00407	-.00023	.00137
.155	8.331	.00000	35.52788	13.93669	.27428	.04950	.14159	-.00491	-.00033	.00119
.155	10.367	.00000	35.25953	15.93944	.33761	.06593	.15026	-.00580	-.00028	.00088
.155	12.494	.00000	35.25609	18.07356	.41139	.09088	.15947	-.00610	-.00024	.00068
.155	14.543	.00000	35.27352	20.00836	.47760	.11870	.16751	-.00329	-.00025	.00097
.155	16.505	.00000	35.49270	22.03254	.54199	.15018	.17507	-.00432	-.00022	.00099
.155	18.494	.00000	35.49246	24.02537	.60929	.18923	.18612	-.00532	-.00021	.00135
.155	20.559	.00000	35.35799	26.08026	.67436	.23441	.19951	-.00400	-.00021	.00110
.155	22.554	.00000	35.39265	28.09669	.70579	.26991	.22009	-.00478	.00019	.00119
.156	24.640	.00000	35.74988	30.24246	.67337	.27856	.26332	-.00384	-.00010	.00125
.156	26.989	.00000	35.68617	32.60807	.62636	.28436	.30190	-.00912	-.00141	.00479
GRADIENT		.00000	-.04254	.99313	.02595	.00012	.00348	-.00005	-.00009	-.00002

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF090) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 90/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.723	.00000	35.19951	2.95263	-.03290	.02562	.10045	-.00689	.00030	.00113
.154	-1.853	.00000	35.22273	3.81917	-.01429	.02379	.10394	-.00818	.00040	.00119
.154	.211	.00000	35.15983	5.87123	.03490	.02126	.11099	-.00843	.00021	.00133
.154	2.298	.00000	35.21199	7.93499	.09423	.02189	.11857	-.01113	-.00006	.00063
.154	4.264	.00000	35.11015	9.89129	.14988	.02672	.12527	-.00686	-.00012	.00137
.155	6.320	.00000	35.43347	11.93335	.20871	.03549	.13225	-.00504	-.00034	.00177
.154	8.366	.00000	35.04529	13.95079	.27389	.04803	.14182	-.00544	-.00024	.00114
.154	10.261	.00000	35.17440	15.82767	.33584	.06411	.15031	-.00730	-.00025	.00089
.154	12.488	.00000	35.20123	18.03655	.40654	.08244	.15992	-.00761	-.00034	.00095
.155	14.425	.00000	35.27494	19.96351	.47088	.11531	.16715	-.00869	-.00009	.00053
.155	16.451	.00000	35.42497	21.97771	.54200	.14934	.17544	-.00678	-.00024	.00113
.155	18.490	.00000	35.63603	24.02537	.61208	.18895	.18707	-.00674	-.00002	.00092
.155	20.564	.00000	35.67576	26.10639	.67282	.23279	.19934	-.00489	-.00013	.00119
.155	22.582	.00000	35.65373	28.13660	.70208	.26757	.22192	-.00706	.00063	.00047
.156	24.527	.00000	35.95033	30.11577	.67609	.27768	.26003	-.00668	.00026	.00104
.156	25.994	.00000	35.91788	32.63594	.62570	.28267	.30284	-.00759	-.00171	.00578
GRADIENT		.00000	-.01086	.99272	-.02627	.00007	.00354	-.00013	-.00007	-.00001

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF091) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 91/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.702	.00000	35.40932	2.95926	-.03036	.02595	.10057	-.00975	.00340	.00066
.155	-1.868	.00000	35.35320	3.80250	-.01430	.02422	.10355	-.00853	.00045	.00106
.155	.201	.00000	35.32421	5.86042	.03638	.02156	.11113	-.00845	.00004	.00111
.155	2.259	.00000	35.36937	7.89554	.09315	.02223	.11843	-.00717	-.00008	.00095
.155	4.259	.00000	35.35525	9.89129	.14865	.02698	.12493	-.00827	-.00010	.00122
.155	5.316	.00000	35.28993	10.92448	.18359	.03146	.12939	-.00637	-.00009	.00124
.155	6.314	.00000	35.31986	11.91737	.21363	.03603	.13261	-.00501	-.00019	.00133
.155	7.365	.00000	35.28489	12.96407	.24695	.04250	.13723	-.00592	-.00013	.00091
.155	8.358	.00000	35.25717	13.95280	.27741	.04804	.14204	-.00638	-.00026	.00108
.155	9.375	.00000	35.25021	14.94087	.30373	.05652	.14571	-.00637	-.00034	.00110
.154	10.450	.00000	35.23320	16.01263	.33644	.06604	.15032	-.00772	-.00013	.00068
.155	11.414	.00000	35.24657	16.97074	.36727	.07636	.15426	-.00713	-.00009	.00042
.155	12.423	.00000	35.25474	17.97078	.40519	.08926	.15839	-.00650	-.00025	.00075
.154	13.418	.00000	35.16047	18.96901	.43628	.10095	.16272	-.00793	-.00094	.00048
.155	14.499	.00000	35.29174	20.03425	.47505	.11733	.16770	-.00867	-.00007	.00044
.155	15.454	.00000	35.37479	20.98604	.50938	.13293	.17141	-.00809	-.00042	.00128
.155	16.477	.00000	35.31944	22.00301	.54312	.15019	.17606	-.00529	-.00011	.00083
.155	17.499	.00000	35.37697	23.02313	.57759	.16893	.18097	-.00650	-.00003	.00100
.155	18.501	.00000	35.27874	24.03394	.61054	.18909	.18675	-.00733	-.00022	.00131
.155	19.520	.00000	35.59519	25.04417	.63706	.20890	.19159	-.00705	-.00009	.00100
.155	20.503	.00000	35.70226	26.04543	.66955	.23096	.19879	-.00635	-.00004	.00098
.155	21.580	.00000	35.59504	27.12125	.70122	.25224	.20606	-.00637	.00048	.00053
.155	22.530	.00000	35.54249	28.05235	.70508	.26555	.21941	-.00659	.00057	.00076
.155	23.523	.00000	35.62069	29.00769	.69427	.27524	.24076	-.00656	.00058	.00051
.155	24.560	.00000	35.62650	30.13838	.67666	.27876	.26293	-.00630	.00011	.00078
.155	25.528	.00000	35.30621	31.12944	.65013	.27715	.26252	-.00628	-.00038	.00179
.155	26.999	.00000	36.01522	32.62201	.62303	.28163	.30589	-.00998	-.00166	.00628
	GRADIENT	.00000	-.00280	.99257	.02589	.00006	.00351	.00023	-.00009	.00035

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS5H15.6.1F20TS401

(TJF092) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 92/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CJ	CLM	CY	CLN	CSL
.155	-2.698	.00000	35.21489	3.00203	-.03204	.02426	.10187	-.00584	.00044	.00114
.155	-1.805	.00000	35.23018	3.88964	-.01790	.02223	.10512	-.00768	.00037	.00119
.155	.196	.00000	35.23907	5.88399	.03653	.01997	.11221	-.00798	.00004	.00102
.155	2.258	.00000	35.29709	7.91921	.03523	.02167	.11901	-.00620	-.00009	.00114
.154	4.289	.00000	35.19059	9.93890	.14775	.02531	.12612	-.00390	-.00025	.00124
.155	6.318	.00000	35.26109	11.94733	.21078	.03417	.13339	-.00359	-.00032	.00163
.155	8.371	.00000	35.27585	13.99301	.27122	.04638	.14211	-.00492	-.00027	.00116
.155	10.395	.00000	35.26098	15.97197	.33726	.06407	.15140	-.00434	-.00041	.00133
.154	12.435	.00000	35.19940	17.99544	.40177	.08609	.15954	-.00755	-.00015	.00077
.154	14.450	.00000	35.20054	19.99679	.46772	.11382	.16767	-.00627	-.00028	.00086
.154	16.498	.00000	35.14649	22.03254	.54039	.14771	.17619	-.00369	-.00040	.00127
.155	18.494	.00000	35.34724	24.03394	.60848	.18632	.18728	-.00344	-.00041	.00141
.155	20.479	.00000	35.51666	26.02367	.66550	.22800	.19849	-.00354	-.00048	.00116
.155	22.523	.00000	35.54633	28.07896	.70451	.26727	.21973	-.00225	.00028	.00091
.155	24.492	.00000	35.54314	30.09316	.67564	.27555	.26078	-.00446	-.00028	.00153
.157	27.041	.00000	36.25049	32.69170	.62238	.28077	.30500	-.01245	-.00160	.00450
GRADIENT		.00000	.00045	.99251	.02630	.00015	.00345	.00035	-.00010	.00001

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CA-8 - FORCE SOURCE DATA TABULATION

PAGE 725

(CA-8) K2V9.1.2T55H15.6.1F20TS401

(TJF093) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XJ
 LREF = 474.8100 IN. YMRP = .0000 IN.YJ
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZJ
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 93/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.740	.00000	35.33123	-2.03193	-.19830	.33196	.03986	-.00527	.00314	.00128
.154	.189	.00000	35.15241	.88008	-.13659	.32032	.04873	-.00685	-.00006	.00144
.154	2.244	.00000	35.10423	2.92036	-.09053	.01419	.05645	-.00617	-.00043	.00149
.154	4.326	.00000	35.12194	4.98990	-.04054	.01142	.06334	-.00399	-.00335	.00187
.154	6.297	.00000	35.08503	6.94379	.00946	.01147	.06846	-.00484	-.00336	.00163
.155	8.372	.00000	35.20480	8.99193	.07285	.01508	.07523	-.00426	-.00054	.00166
.155	10.259	.00000	35.22797	10.85880	.13040	.02145	.08044	-.00369	-.00057	.00177
.155	12.427	.00000	35.20111	13.00619	.20149	.03463	.08680	-.00352	-.00064	.00165
.155	14.478	.00000	35.28931	15.04093	.27287	.05258	.09396	-.00527	-.00061	.00168
.155	16.500	.00000	35.49209	17.05250	.33308	.07411	.10237	-.00642	-.00046	.00160
.155	18.556	.00000	35.31415	19.12131	.40905	.10092	.11313	-.00520	-.00049	.00152
.155	20.586	.00000	35.34174	32.00637	.201639	.08085	-.62211	-.03514	.01089	.01752
GRADIENT		.00000	-.03047	.99370	.02234	-.00296	.00335	.00016	-.00008	.00006

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 726

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(TJF094) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 94/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.747	.00000	35.26900	-2.20541	-.20592	.03145	.04009	-.00625	.00020	.00129
.155	.141	.00000	35.21295	.66517	-.15152	.01941	.04832	-.00497	-.00003	.00145
.154	2.222	.00000	35.16805	2.73453	-.10360	.01393	.05548	-.00404	-.00007	.00142
.155	4.351	.00000	35.19659	4.85076	-.05043	.01057	.06332	-.00509	-.00010	.00142
.155	5.299	.00000	35.21312	5.79463	-.02709	.00943	.06592	-.00444	-.00021	.00150
.154	6.384	.00000	35.17853	6.86900	.00561	.00964	.06917	-.00182	-.00024	.00159
.155	7.394	.00000	35.24665	7.86792	.03338	.01056	.07190	-.00289	-.00032	.00144
.155	8.376	.00000	35.25084	8.83963	.06125	.01252	.07468	-.00342	-.00028	.00140
.155	10.357	.00000	35.27587	10.79912	.12465	.01948	.08104	-.00507	-.00035	.00115
.155	11.502	.00000	35.35094	11.93734	.15630	.02525	.08390	-.00523	-.00032	.00122
.155	12.458	.00000	35.28907	12.89537	.19630	.03262	.08764	-.00550	-.00031	.00125
.154	13.494	.00000	35.14841	13.92058	.22823	.04017	.09046	-.00579	-.00032	.00108
.154	14.500	.00000	35.12484	14.90133	.25987	.04848	.09378	-.00513	-.00020	.00113
.154	15.551	.00000	35.13343	15.94351	.30029	.06034	.09823	-.00698	-.00017	.00130
.155	16.449	.00000	35.13460	16.89309	.32955	.07033	.10212	-.00635	-.00007	.00100
.155	17.519	.00000	35.25941	17.93790	.36578	.08309	.10697	-.00620	-.00010	.00141
.155	18.486	.00000	35.43232	18.88562	.39819	.09614	.11265	-.00699	.00002	.00092
.155	19.449	.00000	35.31506	19.85124	.43326	.11071	.11919	-.00630	-.00012	.00081
.155	20.548	.00000	35.38480	20.95673	.46121	.12600	.12515	-.00543	-.00012	.00110
.155	21.559	.00000	35.40533	21.99036	.48907	.14135	.13295	-.00467	-.00026	.00099
.155	22.568	.00000	35.45646	23.00613	.50372	.15169	.14855	-.00628	-.00027	.00047
.155	23.492	.00000	35.37907	23.93977	.50243	.15699	.16390	-.00695	-.00031	.00049
.155	24.438	.00000	35.54151	24.95219	.49893	.16181	.17852	-.00704	-.00041	.00090
.155	25.549	.00000	35.50766	25.02367	.49387	.16799	.19324	-.00479	-.00078	.00149
.155	26.911	.00000	35.48481	27.40725	.48253	.17635	.21289	-.00690	-.00218	.00446
GRADIENT		.00000	-.01163	.99413	.02189	-.00296	.00327	.00320	-.00004	.00002

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(TJF095) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 95/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.721	.00000	35.21262	-2.17658	-.23811	.33153	.03958	-.00823	.00020	.00105
.154	.171	.00000	35.12256	.69741	-.15186	.01950	.04812	-.00590	-.00011	.00159
.155	2.400	.00000	35.22721	2.91204	-.09841	.01347	.05654	-.00604	-.00029	.00140
.155	4.213	.00000	35.31861	4.71940	-.05714	.01026	.06234	-.00563	-.00023	.00130
.155	6.307	.00000	35.34772	6.79520	.00055	.00955	.06896	-.00330	-.00013	.00167
.155	8.351	.00000	35.39337	8.82381	.05083	.01293	.07478	-.00491	-.00037	.00109
.154	10.361	.00000	35.05508	10.82100	.12198	.01950	.08099	-.00560	-.00043	.00157
.154	12.393	.00000	35.02356	12.80569	.18733	.03079	.08633	-.00657	-.00039	.00124
.154	14.420	.00000	34.99756	14.86088	.26111	.04877	.09419	-.00770	-.00038	.00132
.154	16.467	.00000	35.04811	16.86858	.32887	.07004	.10227	-.00788	-.00017	.00118
.155	18.484	.00000	35.21789	18.89383	.39968	.09626	.11358	-.00708	-.00010	.00072
.155	20.597	.00000	35.43339	21.01955	.46709	.12731	.12705	-.00692	-.00020	.00097
.155	22.621	.00000	35.45158	23.06097	.52659	.15322	.14961	-.00532	-.00038	.00052
.155	24.647	.00000	35.55119	25.13485	.49820	.15269	.18277	-.00651	-.00057	.00113
.155	26.919	.00000	35.51197	27.42487	.47995	.17558	.21402	-.00726	-.00175	.00389
	GRADIENT	.00000	.01623	.99436	.02189	-.00309	.00332	.00335	-.00007	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(TJF096) (08 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO.		0/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00						
MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.699	.00000	35.08176	-2.15654	-.20764	.03142	.03939	-.00725	.00026	.00133
.154	.182	.00000	35.03744	.70767	-.14518	.01918	.04900	-.01016	.00052	.00140
.154	2.188	.00000	35.05094	2.70422	-.10486	.01356	.05563	-.00768	-.00051	.00134
.154	4.290	.00000	34.98959	4.79586	-.05498	.00986	.06319	-.00470	-.00030	.00154
.154	6.324	.00000	35.00702	6.81390	.00303	.00957	.06924	-.00537	-.00046	.00138
.154	8.414	.00000	35.07883	8.88511	.06151	.01197	.07538	-.00543	-.00031	.00140
.154	10.312	.00000	35.13123	10.75734	.11835	.01831	.08109	-.00658	-.00042	.00123
.154	12.524	.00000	35.11309	12.95204	.19810	.03217	.08826	-.00655	-.00044	.00132
.154	14.433	.00000	35.15178	14.85077	.25929	.04803	.09459	-.00572	-.00049	.00143
.154	16.398	.00000	35.15010	16.80323	.32334	.06768	.10223	-.00787	-.00027	.00138
.155	18.459	.00000	35.28985	18.86909	.39661	.09499	.11341	-.00661	-.00020	.00078
.155	20.630	.00000	35.34142	21.04887	.46714	.12734	.12699	-.00647	-.00024	.00070
.155	22.544	.00000	35.58599	22.97640	.50135	.15029	.14801	-.00629	-.00031	.00024
.155	24.675	.00000	35.60735	25.15213	.49670	.16162	.18273	-.00651	-.00061	.00116
.156	26.945	.00000	35.72524	27.46013	.48264	.17572	.21518	-.00736	-.00214	.00385
	GRADIENT	.00000	-.01148	.99479	.02171	-.00311	.00333	.00039	-.00011	.00002

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5

F20TS401

(TJF097) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 97/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	Cf	CLN	CSL
.155	-1.993	.00000	35.32331	-1.45299	-.18739	.02777	.04089	-.01375	.00001	.00068
.155	.158	.00000	35.31022	.68764	-.14551	.01962	.04788	-.01011	-.00001	.00109
.155	2.344	.00000	35.29193	2.86461	-.09919	.01323	.05635	-.00858	-.00049	.00100
.155	4.365	.00000	35.24742	4.87625	-.04865	.00995	.06358	-.00783	-.00015	.00108
.154	6.302	.00000	35.09182	6.80012	.00214	.00977	.06906	-.00631	-.00023	.00088
.154	8.358	.00000	35.07900	8.83765	.06290	.01254	.07594	-.00777	-.00046	.00045
.154	10.495	.00000	35.02186	10.95831	.12349	.01930	.08170	-.00609	-.00030	.00044
.154	12.336	.00000	35.03892	12.77563	.18947	.03044	.08751	-.00985	-.00016	.00032
.154	14.423	.00000	35.09965	14.89526	.25939	.04807	.09463	-.00662	-.00017	.00069
.154	16.654	.00000	35.14666	17.06886	.33428	.07114	.10374	-.00831	.00006	.00030
.155	18.511	.00000	35.34916	18.99309	.39837	.09470	.11510	-.00754	.00014	.00015
.155	20.503	.00000	35.50819	21.00698	.45739	.12392	.12660	-.00471	-.00004	.00026
.155	22.590	.00000	35.24829	23.12088	.49920	.14974	.15024	-.00470	.00009	-.00060
.154	24.515	.00000	34.96996	25.05712	.49644	.15972	.18313	-.00781	.00047	-.00004
.154	25.732	.00000	34.84987	27.21797	.48426	.17247	.21243	-.00929	-.00100	.00272
	GRADIENT	.00000	-.01151	.99552	.02174	-.00282	.00361	.00091	-.00005	.00005

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(TJF098) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 ICRB = 3.000 ELEVON = .000
 BCFLAP = -11.700

RUN NO. 98/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.700	.00000	35.01993	-2.11158	-.21208	.03038	.04113	-.00831	-.00003	.00053
.154	.119	.00000	35.01559	.68813	-.15263	.01841	.04895	-.00870	-.00022	.00097
.154	2.215	.00000	35.12932	2.77170	-.10295	.01296	.05660	-.00869	-.00063	.00113
.154	4.287	.00000	35.09455	4.83410	-.05670	.00919	.06398	-.00575	-.00051	.00113
.154	6.340	.00000	35.11662	6.86310	-.00228	.00873	.06948	-.00678	-.00036	.00110
.154	8.479	.00000	35.16539	8.98402	.06183	.01217	.07678	-.00571	-.00061	.00097
.155	10.436	.00000	35.19938	10.92647	.12184	.01843	.08245	-.00561	-.00057	.00095
.155	12.500	.00000	35.20756	12.96808	.18920	.03044	.08870	-.00687	-.00042	.00055
.155	14.501	.00000	35.24846	14.94583	.25852	.04710	.09537	-.00713	-.00037	.00088
.155	16.399	.00000	35.28797	16.83999	.32098	.06628	.10331	-.00731	-.00007	.00043
.155	18.569	.00000	35.40042	19.00963	.39696	.09432	.11531	-.00604	-.00002	.00008
.155	20.588	.00000	35.53297	21.03212	.45923	.12418	.12779	-.00540	-.00001	.00001
.155	22.469	.00000	35.60072	22.92120	.50028	.14973	.14798	-.00524	.00011	-.00081
.155	24.605	.00000	35.50780	25.10462	.49517	.16018	.18232	-.00730	.00015	.00014
.155	26.897	.00000	35.46352	27.32357	.48077	.17354	.21290	-.00768	-.00127	.00369
.155	GRADIENT	.00000	.01443	.99405	.02233	-.00304	.00328	.00031	-.00008	.00069

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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2V9.1.2TS5H15.6.1F20TS401

(TJF099) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000
 IORS = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 99/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.687	.00000	35.36279	-2.29924	-.20704	.03094	.03818	-.00718	.00028	.00090
.155	.167	.00000	35.31531	.73209	-.14617	.01647	.04766	-.00904	.00002	.00075
.155	2.368	.00000	35.34276	2.91693	-.09471	.01268	.05540	-.00731	-.00024	.00083
.155	4.474	.00000	35.32696	5.01157	-.04175	.00968	.06321	-.00657	-.00017	.00093
.155	6.399	.00000	35.31022	6.92017	.00961	.00939	.06811	-.00871	-.00031	.00054
.155	8.466	.00000	35.29679	8.94841	.06855	.01270	.07442	-.00613	-.00034	.00035
.155	10.478	.00000	35.36822	10.94239	.13047	.02027	.08341	-.00647	-.00017	.00051
.155	12.433	.00000	35.09136	12.86382	.19531	.03209	.08574	-.00683	-.00011	.00040
.154	14.486	.00000	35.10419	14.89930	.26983	.04998	.09335	-.00750	.00027	.00030
.154	16.484	.00000	35.34601	16.89309	.33184	.06985	.10096	-.00822	.00027	.00056
.155	18.520	.00000	35.57672	18.93934	.40536	.09736	.11195	-.00692	.00038	.00000
.155	20.609	.00000	35.52291	21.02793	.46676	.12751	.12424	-.00522	.00051	.00024
.155	22.543	.00000	35.40181	22.98914	.50268	.15061	.14837	-.00555	.00061	-.00067
.155	24.575	.00000	35.35908	25.04417	.49942	.16223	.18907	-.00583	.00025	.00061
.155	26.877	.00000	35.12052	27.39082	.48455	.17689	.21339	-.00423	-.00168	.00519
GRADIENT		.00000	-.00367	.99310	.02242	-.00292	.00340	.00013	-.00007	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

(TJF100) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = 17.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 100/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.823	.00000	35.23415	.75846	-.15065	.05963	.10314	-.00217	.00036	.00075
.155	.232	.00000	35.18262	3.78782	-.08614	.04854	.11233	-.00854	.00045	.00022
.155	2.242	.00000	35.18854	5.78186	-.03831	.04417	.11868	-.00582	.00028	.00017
.155	4.340	-.01000	35.32120	7.86595	.01676	.04286	.12510	-.00586	.00028	.00071
.155	6.312	-.01000	35.40385	9.81790	.07482	.04541	.13152	-.00498	.00025	.00038
.155	8.395	.00000	35.28348	11.88541	.13921	.05357	.13997	-.00385	.00023	.00058
.155	10.504	.00000	35.31950	13.96891	.19696	.06485	.14825	-.00384	.00035	.00045
.155	12.509	.00000	35.29936	15.96384	.26475	.08314	.15932	-.00515	.00058	.00021
.155	14.458	-.01000	35.32035	17.93092	.32963	.10439	.16257	-.00734	.00100	.00022
.155	16.461	.00000	35.45922	19.90113	.39272	.13020	.17851	-.00526	.00064	.00022
.155	18.657	.00000	35.44166	22.09582	.46715	.16444	.18961	-.00376	.00038	.00055
.155	20.663	-.01000	35.56304	24.11960	.52973	.20040	.20054	-.00506	.00054	.00052
.155	22.604	-.01000	35.57260	26.07155	.58439	.22961	.21817	-.00375	.00071	.00048
.155	24.442	-.01000	35.51973	27.94162	.55659	.23962	.24959	-.00507	.00037	.00073
.156	26.704	-.01000	35.74318	30.23341	.54047	.25475	.27682	-.00482	-.00097	.00370
	GRADIENT	-.00120	.00991	.99220	.02329	-.00239	.00307	-.00043	-.00002	-.00002

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(CA-8) K3.1V9.1.2TS5H15.6.1F20TS402

(TJF101) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = -23.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 101/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.749	.00000	35.20035	.87861	-.15729	.05493	.10533	-.00403	.00057	.00053
.155	.207	.00000	35.21082	3.81229	-.09448	.04417	.11399	-.00364	.00028	.00067
.155	2.263	.00000	35.18491	5.85355	-.04147	.03912	.11939	-.00532	.00024	.00049
.155	4.297	.00000	35.18821	7.87384	.01123	.03714	.12636	-.00344	.00021	.00050
.154	6.244	.00000	35.15041	9.80204	.06511	.03913	.13242	-.00307	.00013	.00083
.155	8.301	.00000	35.24295	11.83948	.12939	.04627	.14054	-.00383	.00031	.00070
.155	10.311	.00000	35.22309	13.81993	.18920	.05733	.14956	-.00287	.00022	.00055
.155	12.399	.00000	35.29596	15.89576	.25309	.07402	.16008	-.00371	.00041	.00049
.155	14.524	.00000	35.28769	18.00366	.32093	.09667	.17104	-.00452	.00042	.00055
.155	16.550	.00000	35.23108	20.02592	.38709	.12356	.18130	-.00238	.00025	.00076
.155	18.655	-.01000	35.29251	22.13803	.45459	.15534	.19069	-.00235	.00012	.00063
.155	20.563	.00000	35.38367	24.05535	.51801	.19076	.20091	-.00407	.00050	.00028
.155	22.487	.00000	35.42480	25.97581	.56227	.22311	.21730	-.00233	.00054	.00060
.155	24.509	-.01000	35.42611	28.02577	.55334	.23494	.25039	-.00264	.00012	.00123
.155	26.820	.00000	35.35146	30.37386	.53737	.25005	.27982	-.00280	-.00077	.00043
	GRADIENT	.00000	-.00250	.93278	.02336	-.00257	.00298	.00000	-.00005	-.00001

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(CA-8) K3.1V9.1.2TS5H15.6.1F10TS402

(TJF102) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6900 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 ICRS = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 102/ 0 RN/L = .00 GRADIENT INTERVAL * -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.154	-1.956	.00000	35.12291	1.57537	-.06211	.05507	.09352	-.00269	.00023	.00148
.154	.039	.00000	35.13963	3.65811	-.01639	.04955	.09836	-.00569	.00012	.00095
.154	2.248	.00000	35.09236	5.85650	.03739	.04652	.10432	-.00613	.00015	.00086
.154	4.315	.00000	35.11751	7.90737	.09673	.04743	.11083	-.00354	.00017	.00060
.154	6.340	.00000	35.16895	9.91509	.14722	.05242	.11554	-.00395	.00002	.00120
.155	8.389	.00000	35.21117	11.94533	.21506	.06259	.12498	-.00307	.00007	.00143
.155	10.280	.00000	35.19577	13.83402	.26734	.07460	.13416	-.00320	.00003	.00141
.155	12.390	.00000	35.21028	15.92115	.33060	.09379	.14532	-.00492	.00034	.00075
.155	14.469	.00000	35.23816	17.99133	.39667	.11810	.15582	-.00423	.00040	.00078
.154	16.452	.00000	35.16328	19.95519	.45646	.14506	.16579	-.00397	.00014	.00036
.155	18.408	.00000	35.33734	21.91448	.51843	.17654	.17457	-.00321	-.00010	.00123
.155	20.434	-.01000	35.36512	23.93122	.57851	.21399	.18552	-.00367	.00040	.00096
.155	22.553	-.01000	35.35864	26.06720	.60632	.24290	.20751	-.00393	.00107	.00037
.155	24.457	-.01000	35.30824	27.99919	.58646	.25243	.23876	-.00533	.00029	.00077
.155	26.981	-.01000	35.27733	30.54176	.55214	.26409	.27272	-.00205	-.00096	.00250
	GRADIENT	.00000	-.00312	.99393	.02523	-.00124	.00272	-.00014	-.00001	-.00010

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(TJF103) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 103/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-1.960	.00000	35.11459	1.69882	-.06514	.05490	.09345	-.00510	.00037	.00088
.154	.122	.00000	35.13768	3.76530	-.01460	.04905	.09890	-.00662	.00021	.00129
.154	2.246	.00000	35.09181	5.88399	.03985	.04633	.10482	-.00618	.00001	.00060
.154	4.243	.00000	35.04259	7.86398	.09440	.04679	.11032	-.00596	.00038	.00055
.154	6.256	.00000	35.04244	9.85559	.15244	.05116	.11691	-.00395	.00022	.00075
.154	8.399	.00000	35.12929	11.98329	.21270	.06148	.12461	-.00355	.00013	.00097
.154	10.322	.00000	35.14873	13.86031	.26918	.07416	.13476	-.00511	.00029	.00090
.154	12.347	.00000	35.12784	15.88963	.32752	.09249	.14507	-.00450	.00014	.00105
.154	14.401	.00000	35.07870	17.92968	.39396	.11639	.15544	-.00519	.00056	.00075
.154	16.574	.00000	35.01119	20.08836	.46348	.14684	.16649	-.00683	.00059	.00044
.155	18.548	.00000	35.19854	22.05785	.52366	.17827	.17547	-.00416	.00003	.00100
.155	20.466	.00000	35.25661	23.96973	.59048	.21389	.18672	-.00466	.00039	.00103
.155	22.443	-.01000	35.36262	25.95041	.60859	.24255	.20494	-.00493	.00112	.00026
.155	24.425	.00000	35.24285	27.95376	.56947	.25251	.23931	-.00629	.00027	.00148
.155	26.995	.00000	35.20071	30.54630	.55678	.25626	.27212	-.00350	-.00082	.00197
	GRADIENT	.00000	-.01258	.99428	.02570	-.00131	.00273	-.00010	-.00001	-.00007

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(TJF104) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 104/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.937	.00000	35.64441	.69057	-.07565	.06169	.08939	-.00488	.00041	.00103
.154	.106	.00000	35.01987	3.71538	-.00343	.05335	.09749	-.00865	.00023	.00093
.154	2.209	.00000	34.99517	5.80936	.05048	.05167	.10327	-.00612	.00035	.00070
.154	4.379	.00000	35.08181	7.96064	.10676	.05264	.10969	-.00404	.00016	.00090
.154	6.359	.00000	35.09238	9.92303	.16438	.05844	.11599	-.00391	.00032	.00092
.154	8.377	.00000	35.08799	11.91537	.22079	.06841	.12355	-.00499	.00036	.00079
.155	10.315	.00000	35.21411	13.84207	.27701	.08167	.13268	-.00463	.00030	.00086
.155	12.578	.00000	35.36492	16.08178	.34056	.10171	.14331	-.00632	.00059	.00045
.155	14.587	.00000	35.37564	18.08178	.40654	.12628	.15377	-.00561	.00067	.00059
.155	16.654	.00000	35.60033	20.12899	.47317	.15555	.16439	-.00432	.00052	.00061
.156	18.391	.00000	35.74698	21.87234	.52930	.18433	.17247	-.00449	.00058	.00067
.155	20.483	.00000	35.50490	23.96545	.59118	.22292	.18436	-.00412	.00056	.00101
.155	22.530	.00000	35.46312	26.01497	.61448	.24955	.20634	-.00439	.00127	.00092
.155	24.536	.00000	35.42061	28.04350	.58933	.25808	.23916	-.00328	.00031	.00143
.155	26.860	.00000	35.30388	30.38746	.55789	.26943	.26861	-.00212	-.00063	.00192
	GRADIENT	.00000	.00297	.99392	.02494	-.00127	.00277	.00015	-.00003	-.00003

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(CA-8) K2V9.1.2TS5F30G5.3.5TS401

(TJF105) (08 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ. FT. XMRP = 1109.0000 IN.XO
 LPEF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO.		0/ 0	RN/L = .00	GRADIENT INTERVAL = -5.00/ 5.00							
MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	
.155	-2.947	.00000	35.18517	.67055	-.07713	.06130	.09034	-.00485	.00029	.00107	
.155	2.238	.00000	35.20700	5.83882	.04270	.05029	.10335	-.00413	.00009	.00060	
.154	4.305	.00000	35.12450	7.88567	.10021	.05088	.10870	-.00541	.00035	.00069	
.154	6.212	.00000	35.16327	9.78221	.15434	.05518	.11514	-.00428	.00031	.00131	
.155	8.273	.00000	35.20547	11.82950	.21442	.06466	.12270	-.00584	.00041	.00060	
.155	10.302	.00000	35.23808	13.84207	.27251	.07813	.13263	-.00591	.00046	.00056	
.155	12.311	.00000	35.22768	15.83580	.33252	.09626	.14259	-.00583	.00047	.00089	
.155	14.314	.00000	35.17902	17.82288	.39437	.11915	.15228	-.00482	.00059	.00087	
.155	16.425	.00000	35.28237	19.92192	.45743	.14728	.16218	-.00369	.00048	.00068	
.155	18.442	.00000	35.38187	21.94398	.52627	.18072	.17218	-.00540	.00053	.00096	
.155	20.552	.00000	35.50036	24.06391	.58571	.21895	.18416	-.00349	.00072	.00095	
.155	22.551	.00000	35.35332	26.06285	.60957	.24489	.20453	-.00366	.00119	.00024	
.155	24.507	.00000	35.24693	28.04350	.58654	.25318	.23628	-.00425	.00014	.00180	
.155	26.885	.00000	35.19850	30.45097	.55883	.26561	.26761	-.00140	-.00031	.00207	
	GRADIENT	.00000	-.00594	.99527	.02419	-.00157	.00253	-.00004	-.00000	-.00005	

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(CA-8) K3V9.1.2T55H15.6.1F10T5402

(TJF106) (07 JUN 76)

REFERENCE DATA

SRCF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 106/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.819	.00000	35.22616	.78532	-.07784	.06108	.09030	-.30477	.00053	.00127
.155	-.215	.00000	35.25398	3.80642	-.00388	.05296	.09839	-.00695	.00041	.00087
.155	2.365	.00000	35.22898	5.94980	.04601	.05080	.10361	-.00409	.00028	.00076
.155	4.142	.00000	35.19955	7.71705	.09403	.05102	.10944	-.00327	.00024	.00094
.155	6.196	.00000	35.22826	9.74652	.15482	.05594	.11608	-.00534	.00036	.00049
.155	8.438	.00000	35.22188	11.96731	.21845	.06697	.12457	-.00208	.00012	.00125
.155	10.409	.00000	35.17536	13.92864	.27470	.08021	.13355	-.00510	.00031	.00091
.155	12.414	.00000	35.19858	15.92115	.33146	.09846	.14397	-.00541	.00060	.00065
.155	14.354	.00000	35.22165	17.84341	.39737	.12133	.15410	-.00540	.00065	.00079
.155	16.403	.00000	35.20795	19.87618	.45902	.14919	.16352	-.00450	.00042	.00096
.155	18.534	.00000	35.46579	22.01567	.52767	.18304	.17406	-.00493	.00084	.00054
.155	20.503	.00000	35.50714	23.98257	.58086	.21889	.18497	-.00279	.00076	.00084
.155	22.467	.00000	35.53225	25.94971	.60988	.24664	.20506	-.00438	.00148	.00003
.155	24.528	.00000	35.40614	28.03907	.56578	.25612	.23874	-.00395	-.00007	.00184
.155	26.907	.00000	35.58321	30.44643	.55675	.26906	.26972	-.00319	-.00041	.00166
	GRADIENT	.00000	-.00376	.93592	.02450	-.00148	.00271	.00027	-.00004	-.00005

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(TJF107) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 107/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.824	.00000	35.26600	.78044	-.07781	.06131	.09044	-.00678	.00041	.00116
.155	.326	.00000	35.32023	3.90041	-.00511	.05373	.09813	-.00793	.00030	.00091
.155	2.369	.00000	35.20698	5.94685	.04775	.05130	.10401	-.00712	.00011	.00069
.155	4.318	.00000	35.17959	7.87976	.10043	.05250	.11015	-.00668	.00031	.00069
.154	6.335	.00000	35.16607	9.87542	.15680	.05721	.11591	-.00877	.00048	.00043
.154	8.485	.00000	35.06433	12.01126	.21901	.06768	.12392	-.00748	.00031	.00097
.154	10.276	.00000	35.11101	13.78571	.27747	.08050	.13362	-.01003	.00044	.00071
.154	12.331	.00000	35.04055	15.82564	.33157	.09881	.14369	-.00845	.00058	.00070
.154	14.361	.00000	35.05420	17.84341	.39535	.12174	.15351	-.00983	.00068	.00038
.154	16.501	.00000	35.11916	19.97163	.46701	.15205	.16488	-.00833	.00069	.00062
.155	18.520	.00000	35.39640	21.99880	.52645	.18414	.17391	-.00928	.00082	.00033
.155	20.556	.00000	35.46509	24.03394	.58669	.22172	.18595	-.00812	.00094	.00068
.155	22.581	.00000	35.46366	26.06285	.63797	.24716	.20646	-.00693	.00150	-.00033
.155	24.487	.00000	35.45339	27.99919	.68921	.25751	.23901	-.00388	.00321	.00156
.155	26.894	.00000	35.39314	30.42828	.65933	.27012	.26834	-.00265	-.00078	.00189
	GRADIENT	.00000	-.01536	.99452	.02492	-.00131	.00275	.00003	-.00002	-.00007

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(TJF108) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 2.000 ELEVIR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 108/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-2.881	.00000	35.31316	.73257	-.08150	.06120	.09021	-.00468	.00072	.00062
.154	.168	.00000	35.05833	3.76628	-.01107	.05369	.09737	-.00706	.00063	.00083
.155	2.222	.00000	35.30244	5.81427	.04561	.05157	.10333	-.00204	.00052	.00095
.155	4.268	.00000	35.21971	7.85017	.03693	.05227	.10834	-.00163	.00056	.00140
.154	6.105	.00000	35.09347	9.71876	.14743	.05709	.11437	-.00412	.00085	.00089
.155	6.333	.00000	35.17221	9.90121	.15684	.05779	.11605	-.00510	.00073	.00082
.155	8.344	.00000	35.19866	11.89340	.21576	.06769	.12396	-.00391	.00094	.00093
.154	10.353	.00000	35.07050	13.88031	.27005	.08011	.13249	-.00391	.00096	.00061
.154	12.357	.00000	35.10379	15.87237	.33129	.09871	.14332	-.00560	.00137	.00045
.154	14.409	.00000	35.09177	17.90914	.39555	.12189	.15354	-.00570	.00140	.00069
.155	16.413	.00000	35.42481	19.90529	.45407	.14935	.16279	-.00494	.00122	.00075
.155	18.465	.00000	35.33529	21.96085	.52468	.18303	.17268	-.00419	.00131	.00070
.155	20.542	.00000	35.46614	24.04678	.58102	.22048	.19451	-.00327	.00130	.00066
.155	22.495	.00000	35.39018	26.02367	.60562	.24663	.20437	-.00264	.00190	.00015
.156	24.526	.00000	35.69056	28.08339	.58543	.25567	.23784	-.00179	.00068	.00029
.156	26.862	.00000	35.77663	30.44189	.55212	.26702	.26721	-.00267	.00050	.00191
	GRADIENT	.00000	-.00453	.99571	.02509	-.00130	.00263	.00055	-.00003	.00010

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402G5.3.5

(TJF109) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 109/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.923	.00000	35.26063	.77702	-.08147	.05098	.09173	-.00192	.00023	.00115
.155	.167	.00000	35.19385	3.84069	-.00844	.05283	.09898	-.00646	.00031	.00089
.155	2.179	.00000	35.32995	5.83194	.04385	.05062	.10381	-.00557	.00014	.00104
.154	4.193	.00000	35.03881	7.84228	.09497	.05137	.10953	-.00301	.00009	.00098
.154	6.294	.00000	35.08101	9.87939	.15524	.05634	.11611	-.00140	.00008	.00125
.154	8.310	.00000	35.04821	11.87543	.21579	.06613	.12376	-.00291	.00036	.00095
.154	10.361	.00000	35.08240	13.82642	.27356	.07974	.13346	-.00460	.00022	.00115
.154	12.374	.00000	35.02242	15.87034	.33378	.09789	.14352	-.00755	.00067	.00072
.154	14.461	.00000	35.06612	17.92968	.39534	.12174	.15280	-.00665	.00074	.00085
.155	16.460	.00000	35.28097	19.90529	.46198	.14970	.16282	-.00609	.00046	.00088
.155	18.518	.00000	35.44402	21.96085	.52959	.18316	.17236	-.00355	.00030	.00111
.156	20.504	.00000	35.67440	23.94833	.58687	.21979	.18327	-.00454	.00054	.00099
.155	22.536	.00000	35.52560	26.00191	.63773	.24532	.20405	-.00430	.00119	.00036
.155	24.507	.00000	35.59760	27.99919	.58599	.25539	.23404	-.00372	.00008	.00244
.156	26.991	.00000	35.61151	30.42828	.55438	.26687	.26371	-.00246	-.00068	.00310
GRADIENT		.00000	-.02143	.99190	.02482	-.00139	.00248	-.00018	-.00002	-.00002

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402SS

(TJF110) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 110/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.804	.00000	35.21528	.78190	-.06563	.06050	.08268	-.00292	.00030	.00113
.155	.122	.00000	35.34766	3.70265	.00219	.05474	.09001	-.00785	.00052	.00067
.154	2.207	.00000	35.14995	5.77990	.05655	.05265	.09603	-.00897	.00070	.00072
.154	4.279	.00000	35.07579	7.83833	.11062	.05514	.10180	-.00541	.00060	.00092
.155	6.337	.00000	35.21173	9.87542	.17076	.06197	.10829	-.00528	.00053	.00118
.154	8.341	.00000	35.05913	11.86744	.22886	.07181	.11528	-.00621	.00045	.00107
.154	10.374	.00000	35.00980	13.88031	.28739	.08596	.12441	-.00847	.00054	.00059
.155	12.355	.00000	35.14095	15.86221	.34718	.10430	.13416	-.00615	.00050	.00077
.155	14.391	.00000	35.30121	17.88449	.41065	.12831	.14374	-.00612	.00047	.00059
.155	16.502	.00000	35.32797	20.00096	.47964	.15862	.15353	-.00732	.00056	.00048
.155	18.533	.00000	35.36959	22.02832	.54214	.19150	.16288	-.00520	.00011	.00058
.155	20.496	.00000	35.41063	23.96545	.60254	.22865	.17546	-.00446	.00051	.00068
.156	22.508	.00000	35.42341	26.00191	.62691	.25725	.19502	-.00419	.00080	-.00005
.156	24.499	.00000	35.79934	28.02577	.60816	.26944	.22866	-.00232	-.00034	.00249
.156	26.877	.00000	35.83813	30.42828	.57154	.27940	.26152	-.00331	-.00108	.00261
	GRADIENT	.00000	-.02391	.99634	.02492	-.00084	.00271	-.00043	.00005	-.00003

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(TJF111) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 111/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.829	.00000	35.31532	2.80806	.03029	.05614	.09087	-.00601	.00052	.00089
.155	.107	.00000	35.27545	5.73179	.10421	.05403	.09836	-.00666	.00028	.00154
.154	2.170	.00000	35.14491	7.77719	.16005	.05634	.10421	-.00793	.00015	.00108
.154	4.254	.00000	35.11943	9.85162	.21760	.06282	.11173	-.00924	.00026	.00101
.154	6.241	.00000	35.12946	11.82551	.27664	.07388	.12076	-.00720	.00017	.00078
.154	8.360	.00000	35.15286	13.93065	.33665	.08913	.13207	-.00849	.00030	.00061
.154	10.425	.00000	35.14061	15.98417	.39575	.10972	.14206	-.00972	.00056	.00035
.154	12.369	.00000	35.09976	17.91325	.45395	.13394	.15173	-.00890	.00032	.00036
.154	14.387	.00000	35.11692	19.91360	.52086	.16418	.16052	-.00828	.00082	.00021
.155	16.468	.00000	35.25867	21.98615	.58493	.20135	.16930	-.00939	.00106	.00028
.155	18.458	.00000	35.38939	23.97401	.65511	.24356	.17825	-.00806	.00137	-.00008
.155	20.474	.00000	35.36919	25.99756	.71393	.28820	.18819	-.00931	.00183	-.00020
.155	22.511	.00000	35.52335	28.05236	.73230	.31973	.21259	-.00831	.00254	-.00094
.155	24.518	.00000	35.50322	30.09768	.69689	.32860	.24826	-.00534	.00105	.00077
.156	26.875	.00000	35.98653	32.49277	.63891	.33024	.28438	-.00435	.00024	.00171
	GRADIENT	.00000	-.03035	.99531	.02645	.00088	.00290	-.00034	-.00004	.00000

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2T55H15.6.1F10TS402

(TJF112) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 112/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.797	.00000	34.95257	2.83575	.03291	.05528	.09158	-.00853	.00364	.00191
.155	.192	.00000	35.18020	5.81230	.11025	.05311	.09948	-.01448	.00059	.00079
.154	2.163	.00000	35.14741	7.77128	.16533	.05563	.10520	-.01429	.00037	.00070
.155	4.223	.00000	35.22827	9.82584	.21992	.06204	.11213	-.01119	.00024	.00120
.154	6.318	.00000	34.98471	11.90339	.28026	.07317	.12161	-.01072	.00015	.00054
.154	8.357	.00000	35.02419	13.92864	.33456	.08926	.13197	-.01147	.00035	.00069
.154	10.410	.00000	35.05589	15.95977	.39710	.10899	.14248	-.01419	.00064	.00028
.154	12.462	.00000	34.96891	18.00366	.45520	.13410	.15265	-.00975	.00039	.00055
.154	14.456	.00000	35.10292	19.98847	.52138	.16501	.16089	-.01123	.00081	.00047
.155	16.421	.00000	35.21136	21.93977	.58568	.20000	.16984	-.01139	.00105	.00022
.155	18.460	.00000	35.46000	23.97829	.65545	.24299	.17895	-.01240	.00142	.00021
.155	20.478	.00000	35.51077	25.99756	.71385	.28732	.18933	-.01069	.00197	-.00018
.155	22.490	.00000	35.56715	28.03020	.73461	.32033	.20951	-.00891	.00203	-.00009
.156	24.556	.00000	35.67719	30.12029	.70074	.33065	.24951	-.00619	.00153	.00003
.156	26.897	.00000	35.77701	32.50596	.63963	.32946	.28636	-.00342	.00014	.00165
	GRADIENT	.00000	.03615	.99497	.02670	.00090	.00291	-.00042	-.00006	-.00011

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 ORIGINAL PAGE IS POOR

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(CA-8) K3V9.1.2TS5H15.6.1F10TS402

(TJF113) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 113/ 0 RN/L = .00 GRADIENT INTERVAL * -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.817	.00000	35.09250	2.80397	.03418	.05631	.09073	-.01186	.00093	.00113
.155	.184	.00000	35.30440	5.79365	.10798	.05399	.09680	-.01391	.00064	.00070
.155	2.203	.00000	35.28362	7.80086	.16438	.05719	.10454	-.01177	.00034	.00078
.154	4.292	.00000	35.06254	9.87740	.22048	.06353	.11161	-.00929	.00014	.00193
.154	6.344	.00000	35.13144	11.91537	.28140	.07478	.12127	-.01064	.00022	.00060
.155	8.340	.00000	35.20376	13.96447	.33786	.08971	.13164	-.01185	.00056	.00050
.154	10.314	.00000	35.15137	15.86221	.39374	.10936	.14149	-.01373	.00049	.00043
.155	12.408	.00000	35.28317	17.94201	.45715	.13504	.15138	-.01255	.00072	.00027
.155	14.467	.00000	35.27329	19.98431	.52534	.16725	.16067	-.01299	.00114	-.00011
.155	16.451	.00000	35.39151	21.96085	.58948	.20312	.16965	-.01186	.00099	.00020
.155	18.450	.00000	35.40694	23.95689	.65484	.24345	.17743	-.01383	.00173	-.00015
.155	20.506	.00000	35.45396	26.02367	.71721	.29023	.18870	-.01258	.00228	-.00048
.155	22.510	.00000	35.50458	28.04793	.73133	.32015	.21077	-.01166	.00287	-.00134
.156	24.502	.00000	35.66139	30.07056	.69948	.32948	.24855	-.00576	.00132	.00033
.156	26.853	.00000	35.90674	32.45959	.63980	.33755	.28516	-.00442	.00003	.00180
	GRADIENT	.00000	-.00104	.99498	.02628	.00098	.00292	.00037	-.00011	-.00002

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(CA-8) K3V9.1.2TS5

F10TS402

(TJF114) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 8.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 114/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.899	.00000	35.27108	2.71253	.03227	.05793	.09027	-.00360	.00044	.00121
.155	.200	.00000	35.26996	5.80543	.10816	.05495	.09906	-.00881	.00060	.00131
.155	2.182	.00000	35.19013	7.77325	.16326	.05666	.10458	-.00885	.00028	.00130
.155	4.240	.00000	35.18762	9.82187	.22286	.06308	.11162	-.00654	.00016	.00112
.155	6.263	.00000	35.14150	11.83549	.27877	.07336	.12018	-.00807	.00048	.00067
.154	8.305	.00000	35.12704	13.86622	.33684	.08896	.13169	-.00947	.00034	.00065
.155	10.304	.00000	35.13136	15.85205	.39063	.10772	.14116	-.01078	.00031	.00071
.155	12.360	.00000	35.13168	17.83681	.45017	.13239	.15133	-.01037	.00044	.00028
.155	14.397	.00000	35.23666	19.92192	.51947	.16302	.16089	-.00924	.00078	.00033
.155	16.424	.00000	35.37162	21.95242	.58446	.19265	.17017	-.00892	.00092	.00033
.155	18.464	.00000	35.49983	23.98685	.65418	.24206	.17699	-.00939	.00172	-.00031
.155	20.512	.00000	35.48530	26.04108	.71325	.28723	.18957	-.00665	.00213	-.00043
.155	22.487	.00000	35.39501	28.03464	.73495	.31955	.21104	-.00788	.00240	-.00076
.156	24.587	.00000	35.67258	30.17457	.69490	.32674	.25037	-.00473	.00126	.00016
.156	26.873	.00000	35.95899	32.49669	.63539	.32514	.28574	-.00334	.00027	.00129
GRADIENT		.00000	-.01359	.99570	.02667	.00064	.00296	-.00045	-.00004	-.00001

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(CA-8) K2V9.1.2TS5F30G5.3.5TS401

(TJF115) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 115/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.922	.00000	35.10768	-2.34616	-.12750	.03507	.02956	-.01069	.00087	.00099
.154	.164	.00000	35.09215	.73160	-.06702	.02561	.03740	-.00893	.00025	.00130
.155	2.176	.00000	35.14822	2.73502	-.01816	.02168	.04453	-.00922	-.00006	.00108
.155	4.215	.00000	35.31275	4.76841	.03223	.02027	.05152	-.00824	.00006	.00131
.155	6.306	.00000	35.12882	6.84046	.08902	.02187	.05737	-.00789	.00005	.00145
.155	8.311	.00000	35.23125	8.82776	.14564	.02703	.06339	-.00998	.00000	.00128
.155	10.317	.00000	35.25316	10.81503	.20755	.03555	.06913	-.00854	-.00004	.00136
.155	12.365	.00000	35.20767	12.85583	.26563	.04981	.07508	-.00715	.00001	.00115
.155	14.403	.00000	35.23126	14.89313	.33527	.06722	.08226	-.01006	.00035	.00064
.155	16.429	.00000	35.21023	16.89309	.40142	.08943	.09075	-.00864	.00031	.00122
.155	18.503	.00000	35.51307	18.97242	.46544	.11610	.10177	-.00854	.00057	.00107
.155	20.496	.00000	35.21026	20.95929	.52302	.14623	.11468	-.00677	.00055	.00099
.155	22.456	.00000	35.53061	22.93918	.54456	.16896	.14003	-.00563	-.00007	-.00170
.155	24.539	.00000	35.25659	25.05144	.53031	.17899	.16946	-.00827	-.00029	.00090
.156	26.834	.00000	35.92208	27.40284	.50749	.18995	.20075	-.00744	-.00102	.00226
	GRADIENT	.00000	.02669	.99578	.02239	-.00212	.00339	.00031	-.00012	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(TJF116) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = 3.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 116/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	.161	.00000	35.49748	.71939	-.06324	.02387	.03822	-.00937	.00037	.00095
.155	2.223	.00000	35.44845	2.77267	-.01473	.02039	.04497	-.01063	-.00022	.00073
.155	4.242	.00000	35.14855	4.78308	.03177	.01968	.05142	-.00662	-.00010	.00108
.155	6.330	.00000	35.13087	6.86310	.08979	.02154	.05770	-.00552	-.00021	.00135
.155	8.337	.00000	35.14725	8.84754	.14554	.02649	.06306	-.00836	-.00016	.00082
.155	10.415	.00000	35.15060	10.89860	.20921	.03544	.06874	-.01017	.00004	.00071
.155	12.379	.00000	35.19168	12.87986	.26957	.04909	.07461	-.00900	.00004	.00070
.155	14.442	.00000	35.15855	14.89324	.33574	.06767	.08118	-.01010	.00028	.00059
.155	16.487	.00000	35.24551	16.92387	.40733	.09084	.09080	-.00958	.00055	.00034
.155	18.484	.00000	35.32405	18.93934	.46405	.11587	.10093	-.00571	.00029	.00136
.155	20.485	.00000	35.35546	20.92743	.52560	.14662	.11422	-.00679	.00049	.00083
.155	22.474	.00000	35.34390	22.94667	.54680	.16796	.13792	-.00593	.00043	-.00120
.156	24.595	.00000	35.87750	25.10462	.52770	.17695	.17032	-.00081	.00053	.00041
.156	26.803	.00000	35.90328	27.34119	.50540	.18865	.19971	-.00553	-.00003	.00186
	GRADIENT	.00000	-.08528	.99625	.02328	-.00103	.00325	.00052	-.00012	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2V9.1.2TS5H15.6.1F10TS401

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REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN. YMRP = .0000 IN.YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
SCALE = .0405

(TJF117) (07 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 3.000 ELEVON = .000
BOFLAP = -11.700

RUN NO. 117/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.814	.00000	35.20676	-2.22691	-.13436	.03283	.02975	-.31124	.00055	.00104
.155	.173	.00000	35.21382	.74723	-.06905	.02358	.03901	-.01091	.00039	.00096
.155	2.204	.00000	35.12202	2.76778	-.01744	.01974	.04457	-.01268	-.00013	.00080
.155	4.206	.00000	35.15056	4.75567	.03007	.01875	.05106	-.01078	-.00006	.00094
.155	6.253	.00000	35.12293	6.78340	.08465	.02066	.05744	-.00893	-.00007	.00100
.155	8.268	.00000	35.17137	8.80403	.13978	.02500	.06323	-.00777	.00003	.00129
.155	10.358	.00000	35.17727	10.85085	.20313	.03411	.06891	-.00657	.00005	.00085
.155	12.436	.00000	35.19092	12.90793	.27324	.04831	.07552	-.01145	.00008	.00082
.155	14.435	.00000	35.09673	14.93369	.33812	.06745	.08216	-.01157	.00035	.00056
.155	16.484	.00000	35.12386	16.93395	.39943	.08951	.09035	-.01109	.00047	.00057
.155	18.478	.00000	35.34756	18.93521	.46462	.11496	.10117	-.00958	.00057	.00077
.155	20.510	.00000	35.43172	20.96929	.52605	.14654	.11521	-.00780	.00034	.00092
.155	22.484	.00000	35.35120	22.96791	.54532	.16713	.13906	-.00693	.00022	-.00057
.156	24.508	.00000	35.77875	25.03122	.53282	.17747	.17140	-.00695	.00017	.00080
.156	26.823	.00000	35.93465	27.36761	.50781	.18945	.20202	-.00601	-.00011	.00197
GRADIENT		.00000	-.01098	.99474	.02353	-.00205	.00304	-.00002	-.00010	-.00002

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(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(TJF118) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 118/ 0 RN/L = .60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.799	.00000	35.08389	-2.21078	-.13503	.03237	.03043	-.01175	.00060	.00071
.155	.130	.00000	35.15441	.70659	-.05829	.02273	.03825	-.01334	.00058	.00069
.155	2.167	.00000	35.18600	2.73356	-.02260	.01908	.04470	-.01216	-.00009	.00084
.155	4.271	.00000	35.19491	4.82429	.03003	.01799	.05197	-.00970	.00005	.00110
.155	6.310	.00000	35.07518	6.85030	.08382	.01962	.05768	-.00942	-.00006	.00110
.154	8.278	.00000	34.98242	8.79415	.13702	.02415	.06323	-.00838	-.00015	.00111
.154	10.315	.00000	35.01882	10.81304	.20068	.03306	.06943	-.01168	.00008	.00067
.155	12.352	.00000	35.11025	12.83575	.26282	.04614	.07530	-.01145	.00014	.00068
.155	14.395	.00000	35.26391	14.86492	.33552	.06540	.08198	-.01204	.00030	.00064
.155	16.408	.00000	35.11892	16.86858	.39843	.08713	.09090	-.01062	.00042	.00069
.155	18.467	.00000	35.33612	18.92281	.46256	.11349	.10143	-.00960	.00051	.00079
.155	20.474	.00000	35.40439	20.93580	.52281	.14407	.11502	-.00776	.00048	.00078
.155	22.511	.00000	35.37558	23.00189	.54322	.16562	.13823	-.00694	.00017	-.00060
.156	24.549	.00000	35.67267	25.07439	.52841	.17565	.16943	-.00589	.00043	.00094
.156	26.840	.00000	35.83598	27.39844	.50336	.18693	.20162	-.00607	-.00037	.00221
	GRADIENT	.00000	.01606	.99510	.02324	-.00207	.00504	.00028	-.00010	.00005

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(TJF119) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 119/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.799	.00000	35.20655	-2.21714	-.13375	.03234	.03001	-.01173	.00052	.00056
.154	.160	.00000	35.05895	.72622	-.07040	.02305	.03892	-.01295	.00036	.00064
.155	2.212	.00000	35.17864	2.77218	-.01905	.01880	.04473	-.01315	-.00012	.00058
.155	4.257	.00000	35.15995	4.82821	.02728	.01837	.05153	-.01023	-.00004	.00095
.154	6.305	.00000	35.05556	6.85129	.08472	.01999	.05780	-.00941	.00001	.00111
.155	8.325	.00000	35.08392	8.83172	.14097	.02472	.06348	-.00934	-.00014	.00126
.155	10.370	.00000	35.10015	10.91054	.20169	.03359	.06954	-.01067	-.00001	.00089
.154	12.357	.00000	35.04092	12.83175	.26588	.04694	.07538	-.01099	.00015	.00059
.155	14.424	.00000	35.19401	14.90537	.33675	.06651	.08248	-.01055	.00029	.00084
.155	16.441	.00000	35.21940	16.92578	.40462	.08914	.09158	-.01107	.00046	.00061
.155	18.563	.00000	35.36428	19.02617	.46979	.11677	.10216	-.00907	.00054	.00096
.155	20.498	.00000	35.35951	21.00698	.52251	.14532	.11512	-.00824	.00053	.00060
.155	22.399	.00000	35.36069	22.93393	.54294	.16525	.13945	-.00689	.00041	-.00116
.156	24.446	.00000	35.73721	24.99570	.53051	.17648	.17005	-.00546	.00019	.00108
.156	26.841	.00000	35.82497	27.39522	.50671	.18829	.20328	-.00425	-.00061	.00190
	GRADIENT	.00000	-.00261	.99917	.02295	-.00205	.00305	.00015	-.00009	.00005

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS5H15.6.1F10TS401

(TJF120) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 120/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.785	.00000	35.10984	-2.16827	-.13661	.03059	.03096	-.01072	.00073	.00104
.154	.146	.00000	34.93238	.74918	-.07300	.02155	.03904	-.00902	.00037	.00125
.155	2.091	.00000	35.18724	2.69515	-.02418	.01778	.04526	-.01111	.00009	.00100
.155	4.206	.00000	35.27518	4.78998	.02677	.01614	.05257	-.00777	-.00010	.00135
.155	6.205	.00000	35.25126	6.77749	.08033	.01799	.05866	-.00691	-.00005	.00123
.155	8.276	.00000	35.26864	8.83172	.13543	.02206	.06401	-.00627	-.00002	.00161
.155	10.325	.00000	35.32738	10.86676	.19850	.03065	.06972	-.00856	.00019	.00117
.155	12.449	.00000	35.30918	13.00218	.27016	.04602	.07714	-.00791	.00011	.00140
.155	14.337	.00000	35.25928	14.83055	.33394	.06286	.08285	-.00860	.00023	.00120
.155	16.405	.00000	35.28102	16.87675	.39905	.08532	.09114	-.00909	.00037	.00117
.155	18.435	.00000	35.22928	18.91455	.46747	.11252	.10199	-.00814	.00048	.00124
.155	20.438	.00000	35.37708	20.91487	.52408	.14221	.11535	-.00729	.00045	.00087
.155	22.562	.00000	35.39906	23.06987	.54641	.16509	.13972	-.00688	.00026	-.00061
.155	24.483	.00000	35.46277	25.01828	.53317	.17496	.16952	-.00415	-.00017	.00163
.156	26.903	.00000	35.64641	27.47335	.50651	.18716	.20441	-.00364	-.00071	.00342
	GRADIENT	.00000	.02912	.99532	.02344	-.00210	.00309	.00030	-.00012	.00003

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(CA-8) K2V9.1.2TS6H15.6.1F10TS401

(TJF121) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 121/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.912	.00000	35.23922	-2.34127	-.13238	.03275	.02870	-.00883	.00040	.00117
.155	.221	.00000	35.21430	.77751	-.06455	.02309	.03803	-.00993	.00041	.00111
.155	2.225	.00000	35.21043	2.77072	-.01728	.01993	.04405	-.00934	.00000	.00104
.155	4.285	.00000	35.26704	4.84096	.03268	.01922	.05123	-.00526	-.00005	.00146
.155	6.219	.00000	35.31032	6.77946	.08449	.02102	.05713	-.00591	-.00001	.00162
.155	8.396	.00000	35.11816	8.90291	.14646	.02626	.06296	-.00787	-.00017	.00091
.155	10.391	.00000	35.15959	10.88268	.20479	.03503	.06962	-.00816	.00010	.00091
.155	12.380	.00000	35.32758	12.84979	.27327	.04910	.07498	-.00848	.00003	.00094
.154	14.425	.00000	34.85985	14.87504	.34270	.06848	.08139	-.00821	.00024	.00102
.155	16.485	.00000	35.21478	16.92578	.40994	.09080	.09057	-.00911	.00045	.00091
.155	18.549	.00000	35.43233	19.00136	.47405	.11835	.10181	-.00758	.00061	.00093
.156	20.504	.00000	35.74330	20.96511	.53400	.14872	.11562	-.00720	.00063	.00053
.157	22.522	.00000	35.93072	23.00613	.54723	.16783	.13922	-.00590	.00032	-.00035
.156	24.449	.00000	35.65747	24.95787	.53420	.17752	.17107	-.00606	-.00009	.00118
.156	26.791	.00000	35.89301	27.31037	.51109	.19325	.20096	-.00435	-.00079	.00190
	GRADIENT	.00000	.00264	.99750	.02292	-.00192	.00311	.00030	-.00007	.00003

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(CA-8) K2V9.1.2TS6

FOTS401

(TJF122) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 122/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-2.951	.00000	35.41381	-2.34909	-.07405	.03217	.01785	-.01313	.00093	.00031
.155	.229	.00000	35.14612	.82489	.00003	.02523	.02638	-.01093	.00059	.00059
.155	2.263	.00000	35.23155	2.85189	.05296	.02373	.03277	-.01184	-.00003	.00022
.155	4.161	.00000	35.18360	4.74391	.10143	.02378	.03921	-.01118	.00020	.00025
.155	6.232	.00000	35.00924	6.80799	.15916	.02775	.04446	-.00860	.00027	.00042
.155	8.250	.00000	35.31279	8.81392	.21764	.03483	.05003	-.00800	.00011	.00066
.155	10.200	.00000	35.10627	10.74739	.27686	.04547	.05468	-.00994	.00024	.00005
.155	12.381	.00000	35.18370	12.92798	.33653	.06095	.06259	-.00921	.00022	.00035
.155	14.387	.00000	35.42784	14.92762	.37976	.07736	.07313	-.00923	.00037	-.00002
.155	16.393	.00000	35.48706	16.93804	.40132	.09164	.08824	-.00812	.00040	.00020
.155	18.357	.00000	35.54621	18.91041	.40210	.10164	.10441	-.00787	.00058	.00029
.155	20.395	.00000	35.82140	20.96929	.39334	.11061	.12461	-.00523	.00049	.00049
.157	22.418	.00000	36.10103	23.03587	.37466	.11590	.15580	-.00528	.00055	.00122
.157	24.492	.00000	35.95502	25.15213	.35814	.12923	.18939	-.00503	.00001	.00210
.158	26.724	.00000	36.70897	27.42487	.33729	.12160	.22778	-.00252	-.00035	.00295
GRADIENT		.00000	-.02889	.99731	.02470	-.00121	.00299	.00023	-.00012	-.00002

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(CA-8) K2V9.1.2TS6H15.6.1F0TS401

(TJF123) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.099
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 123/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.774	.00000	35.08788	-2.15996	-.07211	.03124	.01835	-.01121	.00113	.00051
.155	.231	.00000	35.06495	.83612	-.00273	.02464	.02597	-.01223	.00063	.00040
.155	2.158	.00000	35.08280	2.75507	.04791	.02312	.03255	-.01084	.00012	.00019
.154	4.339	.00000	34.90437	4.92822	.10549	.02399	.04308	-.00871	.00018	.00051
.155	6.157	.00000	35.32663	6.74404	.15342	.02769	.04465	-.00756	.00017	.00069
.155	8.267	.00000	35.09836	8.82776	.21702	.03491	.05031	-.00832	-.00003	.00054
.155	10.268	.00000	35.18554	10.81901	.28143	.04592	.05603	-.00945	.00007	.00021
.155	12.295	.00000	35.14568	12.83375	.33656	.06125	.06340	-.00828	.00019	.00038
.156	14.270	.00000	35.50110	14.81235	.37560	.07701	.07267	-.00938	.00034	-.00014
.155	16.211	.00000	35.32880	16.75423	.40005	.09164	.08763	-.00736	.00029	.00028
.156	18.301	.00000	35.55466	18.85670	.40463	.10350	.10536	-.00610	.00035	.00020
.157	20.359	.00000	35.95753	20.93580	.39540	.11175	.12748	-.00693	.00063	.00004
.157	22.434	.00000	36.02101	23.03587	.37705	.11789	.15596	-.00493	.00050	.00088
.158	24.311	.00000	36.42434	24.94925	.35904	.12205	.18733	-.00602	.00020	.00160
.157	26.489	.00000	36.21316	27.16521	.34053	.12478	.22606	-.00503	-.00003	.00260
	GRADIENT	.00000	-.02208	.99648	.02499	-.00105	.09306	.90035	-.00015	.90000

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(CA-8) K2V9.1.2TS6H15.6.1F0TS401

(TJF124) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 CLEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 124/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.843	.00000	35.12976	-2.23571	-.07225	.03140	.01793	-.01665	.00107	-.00001
.155	.194	.00000	35.13048	.78972	.00244	.02503	.02612	-.01772	.00046	.00005
.155	2.161	.00000	35.15055	2.75311	.05049	.02373	.03250	-.01324	.00029	.00025
.155	4.279	.00000	35.13652	4.86253	.10110	.02449	.03882	-.01211	.00024	.00019
.155	6.239	.00000	35.21350	6.81291	.15986	.02819	.04508	-.00961	.00003	.00057
.155	8.257	.00000	35.18389	8.81985	.21649	.03543	.05027	-.01076	.00000	.00054
.155	10.261	.00000	35.20074	10.81503	.28127	.04647	.05600	-.01046	-.00003	.00029
.155	12.266	.00000	35.22451	12.80369	.33643	.06159	.06334	-.01175	.00017	-.00021
.155	14.425	.00000	35.26681	14.96403	.38214	.07940	.07437	-.01197	.00038	-.00042
.155	16.340	.00000	35.37234	16.87675	.40113	.09268	.08839	-.01025	.00037	.00002
.156	18.356	.00000	35.73748	18.91455	.40438	.10419	.10477	-.00886	.00070	-.00016
.156	20.400	.00000	35.65277	20.97767	.39702	.11379	.12642	-.00841	.00079	-.00018
.157	22.456	.00000	36.06354	23.06137	.37944	.11923	.15750	-.00730	.00064	.00055
.157	24.377	.00000	36.19205	25.01396	.35035	.12251	.18991	-.00656	-.00066	.00035
.158	26.680	.00000	36.59107	27.35880	.33754	.12532	.22751	-.00547	-.00031	.00262
	GRADIENT	.00000	.00172	.99677	.02436	-.00100	.00295	.00073	-.00012	.00003

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2V9.1.2TS6H15.6.1F0TS401

(TJF125) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 125/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-2.881	.00000	35.08947	-2.26063	-.07387	.03226	.01721	-.01410	.00135	.00032
.155	.198	.00000	35.11362	.79118	-.00081	.02526	.02593	-.01423	.00056	.00063
.155	2.170	.00000	35.10945	2.75311	.04878	.02411	.03188	-.01426	.00024	.00029
.155	4.176	.00000	35.12798	4.75273	.10306	.02491	.03900	-.01069	.00018	.00013
.155	6.304	.00000	35.18537	6.86900	.15784	.02867	.04430	-.01102	.00019	.00031
.155	8.233	.00000	35.21262	8.79019	.21714	.03574	.04990	-.01077	-.00002	.00045
.155	10.243	.00000	35.08535	10.78917	.27781	.04654	.05526	-.01195	.00003	.00030
.155	12.391	.00000	35.39437	12.92597	.33967	.06277	.06357	-.01120	.00012	.00025
.155	14.873	.00000	35.27577	15.40148	.36906	.08295	.07698	-.01126	.00029	-.00001
.155	16.474	.00000	35.66750	16.99935	.40154	.09333	.08860	-.00962	.00038	.00042
.156	18.413	.00000	35.69330	18.96001	.40463	.10454	.10625	-.00941	.00049	-.00004
.157	20.420	.00000	35.94653	20.98186	.39414	.11200	.12817	-.00980	.00071	-.00012
.157	22.374	.00000	36.09948	22.97540	.37886	.11898	.15639	-.00774	.00071	.00088
.157	24.475	.00000	36.27272	25.11325	.35901	.12322	.19033	-.00646	.00018	.00165
.157	26.646	.00000	36.32425	27.31917	.33773	.12518	.22774	-.00504	-.00020	.00223
	GRADIENT	.00000	.00491	.99375	.02500	-.00107	.00306	.00041	-.00017	-.00003

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS401

(TJF126) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 126/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.830	.00000	35.03349	.81951	.07849	-.03064	.02771	-.01494	.00041	-.00012
.155	.089	.00000	35.03220	3.74279	.15453	-.02996	.03741	-.01427	.00016	.00051
.155	2.215	.00000	35.02858	5.84667	.21387	-.02586	.04306	-.01303	-.00027	.00025
.154	4.165	.00000	34.95969	7.78508	.27566	-.01927	.04849	-.01324	-.00022	.00002
.154	6.207	.00000	34.93469	9.81592	.33965	-.00812	.05366	-.01132	.00014	.00020
.155	8.251	.00000	35.01646	11.84747	.40735	.00796	.06109	-.01273	.00006	.00044
.155	10.211	.00000	35.03892	13.80181	.46695	.02664	.06903	-.01359	.00023	.00015
.155	12.220	.00000	35.06552	15.80126	.52837	.04967	.07923	-.01312	.00012	.00017
.155	14.312	.00000	35.19508	17.88859	.57268	.07529	.09075	-.01264	.00004	-.00056
.156	16.382	.00000	35.55618	19.96767	.59497	.09904	.10788	-.01294	.00015	-.00081
.156	18.452	.00000	35.78623	22.05363	.60037	.11935	.12865	-.01174	.00016	-.00076
.156	20.369	.00000	35.85590	24.00397	.59535	.13254	.14948	-.00994	.00018	-.00061
.157	22.337	.00000	35.94360	25.97581	.56780	.14419	.17816	-.00798	.00013	.00054
.157	24.356	.00000	35.99272	28.03020	.53741	.15107	.21429	-.00737	.00000	.00123
.157	26.722	.00000	36.16293	30.44189	.49895	.15348	.25879	-.00766	-.00099	.00392
GRADIENT		.00000	-.00311	.99533	.02804	.00158	.00296	.00028	-.00010	.00002

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(CA-8) K3V9.1.2TS6H15.6.1F0TS401

(TJF127) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.X0
 LREF = 474.8100 IN. YMRP = .0000 IN.Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.Z0
 SCALE = .0405

PARAMETRIC DATA

DATA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 127/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.836	.00000	34.95780	.80730	.07811	-.03047	.02751	-.01550	.00036	.00045
.155	.130	.00000	35.02249	3.76334	.15362	-.02978	.03742	-.01489	-.00016	.00043
.154	2.171	.00000	35.00489	5.79463	.21761	-.02594	.04293	-.01650	-.00014	.00009
.155	4.176	.00000	35.05940	7.78903	.28023	-.01819	.04654	-.01519	-.00021	.00022
.155	6.267	.00000	35.29864	9.87145	.34556	-.00625	.05399	-.01524	-.00007	.00001
.155	8.238	.00000	35.29116	11.83150	.40410	.00882	.06045	-.01415	-.00007	.00055
.155	10.263	.00000	35.22253	13.83804	.46953	.02774	.06951	-.01456	.00010	.00006
.155	12.399	.00000	35.25039	15.96790	.52952	.05205	.07906	-.01548	.00017	-.00026
.155	14.350	.00000	35.32842	17.92557	.57249	.07663	.09059	-.01502	.00014	-.00076
.156	16.434	.00000	35.51066	20.00928	.59624	.10065	.10764	-.01397	-.00009	-.00035
.156	18.398	.00000	35.69122	21.99458	.60039	.11952	.12592	-.01228	.00021	-.00090
.156	20.350	.00000	35.61905	23.95689	.58982	.13410	.14804	-.01049	.00025	-.00063
.156	22.459	.00000	35.78047	26.10639	.56795	.14587	.17937	-.00943	.00019	.00033
.157	24.462	.00000	36.31187	28.13650	.53693	.15295	.21478	-.00833	-.00016	.00102
.157	26.739	.00000	36.18695	30.44189	.49960	.15460	.25854	-.00716	-.00080	.00270
GRADIENT		.00000	.01254	.99569	.02889	.00168	.00299	-.00003	-.00008	-.00004

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS401

(TJF128) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 TORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 128/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.841	.00000	35.21113	.79460	.09004	-.02927	.02715	-.01638	.00045	.00008
.155	.126	.00000	35.23667	3.74964	.15676	-.02691	.03689	-.01818	.00099	-.00021
.155	2.143	.00000	35.29221	5.75830	.21511	-.02518	.04258	-.01396	-.00032	.00039
.155	4.286	.00000	35.16775	7.88952	.28511	-.01716	.04992	-.01470	-.00033	-.00019
.155	6.327	.00000	35.24564	9.91708	.34584	-.00532	.05398	-.01326	-.00004	.00031
.155	8.248	.00000	35.26908	11.82750	.40866	.00941	.06074	-.01420	-.00013	.00034
.155	10.321	.00000	35.13302	13.88635	.47287	.02911	.06939	-.01707	.00010	-.00018
.155	12.365	.00000	35.15730	15.92521	.52999	.05255	.07884	-.01504	.00023	-.00054
.155	13.326	.00000	35.21835	16.88084	.55193	.06442	.08411	-.01425	.00022	-.00024
.155	14.303	.00000	35.15971	17.85984	.57201	.07647	.09001	-.01460	.00017	-.00075
.156	16.391	.00000	35.59149	19.95519	.59514	.10045	.10525	-.01347	-.00009	-.00035
.156	18.428	.00000	35.74018	22.00723	.60053	.12017	.12647	-.01232	-.00012	-.00033
.156	20.369	.00000	35.75257	23.96545	.58393	.13490	.14950	-.01146	.00016	-.00073
.156	22.406	.00000	35.78124	26.02367	.56775	.14563	.17857	-.00852	.00003	.00055
.157	24.516	.00000	36.09955	28.18095	.53461	.15240	.21709	-.00779	.00007	.00100
.157	26.759	.00000	36.08803	30.46004	.49221	.15438	.25997	-.00756	-.00085	.00267
GRADIENT		.00000	-.00245	.99556	.02866	.00164	.00304	.00036	-.00012	-.00001

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(CA-8) K3V9.1.2T56

F0TS401

(TJF129) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 TORB = 6.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 129/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-2.923	.00000	35.14900	.70083	.09322	.02902	.02652	-.01122	.00066	.00046
.155	.147	.00000	35.06550	3.76726	.15644	.03000	.03596	-.01190	.00015	.00042
.155	2.132	.00000	35.11163	5.74455	.21421	.03339	.04157	-.01026	.00007	.00020
.155	4.192	.00000	35.21561	7.79494	.27191	.04033	.04614	-.01020	-.00007	.00040
.155	6.324	.00000	35.25559	9.91509	.33961	.05204	.05192	-.01205	.00007	-.00016
.155	8.269	.00000	35.29582	11.85546	.39883	.06650	.05921	-.00679	-.00010	.00055
.155	10.434	.00000	35.29637	14.01524	.45830	.08564	.06745	-.00867	.00005	.00052
.155	12.331	.00000	35.29726	15.90489	.51401	.10765	.07628	-.01088	.00021	-.00014
.155	14.292	.00000	35.45068	17.86395	.55570	.13047	.08785	-.01105	.00050	-.00083
.156	16.331	.00000	35.53019	19.90529	.57646	.15231	.10398	-.01093	.00023	-.00073
.156	18.352	.00000	35.70566	21.95242	.58168	.17104	.12460	-.00848	.00033	-.00069
.156	20.451	.00000	35.78784	24.06391	.58722	.18560	.14641	-.00662	.00013	.00003
.156	22.340	.00000	35.83248	25.99321	.54439	.19435	.17446	-.00558	.00009	.00083
.157	24.355	.00000	35.96845	28.03907	.51173	.19813	.21267	-.00485	-.00011	.00137
.158	26.726	.00000	36.48348	30.46912	.47287	.19900	.25834	-.00553	-.00031	.00232
	GRADIENT	.00000	.00855	.99708	.02662	.00153	.00278	.00018	-.00010	-.00002

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(CA-8) K3V9.1.2TS6

F0TS402

(TJF130) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 IOFB = 6.000 ELEVON = .000
 BDFLAP = .000

RUN NO. 130/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	-2.950	.00000	34.93757	.58996	.06820	.06113	.03924	-.00772	.00056	.00020
.155	.125	.00000	35.03954	3.65839	.14363	.05988	.04640	-.01063	.00045	.00018
.155	2.146	.00000	35.06954	5.68074	.19621	.06218	.05105	-.01355	.00046	-.00057
.155	4.205	.00000	35.09100	7.73479	.25022	.06802	.05547	-.00982	.00034	-.00019
.155	6.325	.00000	35.10489	9.84170	.32046	.07847	.06306	-.00986	.00061	.00010
.155	8.239	.00000	35.10264	11.74565	.37553	.09213	.05986	-.01094	.00078	-.00011
.155	10.257	.00000	35.16405	13.75553	.43067	.11011	.07313	-.00911	.00065	.00024
.155	12.437	.00000	35.15664	15.93741	.48850	.13424	.09104	-.00836	.00081	-.00013
.155	14.248	.00000	35.23708	17.74077	.52789	.15643	.10276	-.00895	.00093	-.00036
.155	16.388	.01000	35.40257	19.89697	.54895	.17917	.11929	-.01115	.00129	-.00062
.156	18.418	.01000	35.90124	21.95663	.55270	.19719	.13606	-.00844	.00127	-.00053
.157	20.444	.01000	35.91287	23.99113	.53603	.20947	.16026	-.00721	.00143	-.00035
.157	22.422	.01000	35.93828	26.00191	.51436	.21803	.18785	-.00601	.00113	.00059
.157	24.447	.01000	35.95381	28.07452	.48573	.22185	.22465	-.00428	.00056	.00145
.157	26.717	.01000	36.07511	30.39200	.45320	.22326	.26343	-.00332	-.00022	.00332
	GRADIENT	.00000	.02145	.99709	.02541	.00090	.00227	-.00044	-.00004	-.00008

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3V9.1.2TS6H15.6.1F0TS402

(TJF131) (07 JUN 76)

REFERENCE DATA

SREF = 2090.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6900 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = .000
 BOFLAP = .000

RUN NO. 131/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.155	-2.652	.00000	35.43724	.71743	.06290	.06018	.04058	-.30715	.00051	.00070
.155	.225	.00000	35.14443	3.78390	.14252	.05942	.04828	-.00737	.00031	.00026
.155	2.160	.00000	35.03498	5.71019	.19598	.06177	.05286	-.01013	.00032	.00032
.155	4.284	.00000	35.11201	7.82453	.25592	.06791	.05825	-.00876	.00038	.00037
.155	6.385	.00000	35.12982	9.91708	.31749	.07858	.06478	-.00935	.00059	.00003
.155	8.172	.00000	35.21428	11.68977	.37562	.09204	.07207	-.00857	.00046	.00049
.155	10.323	.00000	35.23148	13.83603	.43568	.11165	.08213	-.00765	.00056	.00006
.155	12.163	.00000	35.25736	15.71393	.48384	.13262	.09272	-.00761	.00078	.00003
.155	14.391	.00000	35.36139	17.89091	.52638	.15847	.10543	-.00535	.00056	.00000
.155	16.343	.00000	35.43551	19.85124	.54705	.17937	.12091	-.00651	.00064	.00001
.156	18.441	.00000	35.60433	21.96928	.55014	.19923	.14218	-.00617	.00110	-.00033
.156	20.490	.00000	35.62269	24.03394	.53604	.21187	.16274	-.00436	.00091	.00023
.156	22.459	.00000	35.80883	26.04108	.51435	.21981	.19203	-.00378	.00096	.00055
.157	24.494	.00000	35.94579	28.10556	.48584	.22535	.22582	-.00275	.00097	.00161
.157	26.740	.00000	36.23182	30.38746	.44890	.22535	.26809	-.00267	.00029	.00287
	GRADIENT	.00000	-.04914	.99595	.02704	.00102	.00247	-.00032	-.00002	-.00004

(CA-8) K3V9.1.2TS6H15.6.1F0TS402

(TJF132) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.       YMRP = .0000 IN.YO
BREF = 936.6800 IN.       ZMRP = 375.0000 IN.ZO
SCALE = .0405

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PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
ICRB	=	6.000	ELEVON	=	.000
BDFLAP	=	.000			

RUN NO. 132/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.154	-2.837	.00000	34.83769	.72329	.06751	.06141	.04023	-.00883	.00037	.00066
.154	.236	.00000	34.87543	3.77803	.14093	.06069	.04741	-.01040	.00035	.00032
.155	2.160	.00000	35.06965	5.69743	.19398	.06321	.05223	-.00914	.0029	.00050
.155	4.185	.00000	35.07466	7.71606	.25741	.06916	.05741	-.01029	.00034	.00061
.155	6.239	.00000	35.10980	9.75246	.31635	.07945	.06356	-.01045	.00038	.00018
.155	8.233	.00000	35.10316	11.73966	.37432	.09370	.07100	-.00916	.00025	.00009
.155	10.438	.00000	35.18710	13.93266	.43987	.11414	.08227	-.00962	.00052	.00026
.155	12.356	.00000	35.18612	15.85612	.48538	.13547	.09196	-.00818	.00049	.00014
.155	14.548	.00000	35.31018	18.05299	.53319	.16213	.10686	-.01115	.00094	-.00045
.155	16.387	.00000	35.44974	19.88450	.55086	.18185	.12201	-.01131	.00136	-.00075
.156	18.423	.00000	35.58443	21.93977	.55209	.19985	.14009	-.00868	.00092	-.00014
.156	20.479	.00000	35.59631	24.01253	.53563	.21181	.16325	-.00719	.00124	.00008
.156	22.435	.00000	35.58210	26.00191	.51516	.22105	.19058	-.00472	.00116	.00091
.156	24.419	.00000	35.60244	28.01691	.48610	.22628	.22315	-.00091	.00085	.00166
.158	26.712	.00000	36.39449	30.35572	.44731	.22706	.26337	.00010	.00024	.00234
	GRADIENT	.00000	.03837	.99589	.02690	.00104	.00245	-.00015	-.00001	-.00000

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF133) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.192	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOPB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 133/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF134) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.216	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 134/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF135) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.254	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 135/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.339	8.25361	35.11575	8.93456	.06599	.00203	.07022	.00382	.00046	.00431	.00000
.155	14.405	8.22244	35.10108	8.92665	.02238	-.00350	.07549	-.00088	.00079	.00321	.00000
.155	22.849	8.22957	35.10705	8.92863	-.02335	-.00876	.08640	-.00621	.00069	.00187	.00000
.155	38.435	8.22687	35.19736	8.90687	-.06932	-.01303	.09367	-.00979	-.00015	.00148	.00000
.155	54.004	8.21721	35.04849	8.86534	-.08372	-.01465	.09652	-.00918	-.00019	.00130	.00000
.156	75.215	8.23160	35.32599	8.83369	-.08914	-.01514	.09758	-.00861	-.00016	.00124	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

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(TJF136) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.219	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 136/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF137) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	2.234	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDCLAP =	-11.700		

RUN NO. 137/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF138) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.169	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 138/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF139) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.226	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 139/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF140) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	14.293	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 140/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF141) 1 07 JUN 76 1

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 575.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	16.297	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICPB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 141/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40!G5.3.5

(TJF142) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	.177	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
TORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 142/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) Kc.:TS7H15.6.1F30TS40IG5.3.5

(TJF143) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	2.154	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 143/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF144) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	4.247	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
TORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 144/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F39TS401G5.3.5

(TJF145) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.166	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
ICRB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 145/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF146) (07 JUN 76)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

PARAMETRIC DATA

ALPHAW =	8.099	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IOPB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 146/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

REFERENCE DATA

```
SREF = 2690.0000 SO.FT      XMRP = 1109.0000 IN.XO
LREF = 774.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

PARAMETRIC DATA

ALPHAW =	10.174	RN/L =	1.090
STAS =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 147/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF148) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	12.110	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
RDELAP	=	-11.700			

[illegible]

(TJF149) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	14.219	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
ICRB	=	3.000	ELEVON	=	.000
BCFLAP	=	-11.700			

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

(TJF150) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	16.235	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 150/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF151) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.159	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 151/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS401G5.3.5

(TJF152) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.158	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 152/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF153) 1 07 JUN 76)

REFERENCE DATA

```

SREF = 2590.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.110	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 153/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1T57H15.6.1F30TS40IG5.3.5

(TJF154) (07 JUN 76)

PARAMETRIC DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	6.239	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
ICRB =	3.000	ELEVON =	.000
BCFLAP =	-11.700		

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF155) (07 JUN 76)

PARAMETRIC DATA

```
SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 935.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

ALPHAW =	10.147	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
ICRB =	3.000	ELEVON =	.000
BDCLAP =	-11.700		

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF156) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.148	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 156/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F30TS401G5.3.5

(TJF157) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.235	RN/L =	1.090
ICRB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 157/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7

F30TS401G5.3.5

(TJF158) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAW = 4.200 RN/L = 1.090
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 158/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.332	4.20037	35.22014	4.87919	-.10473	-.00381	.06904	.00310	.00163	.00343	.00000
.155	14.509	4.17077	35.21191	4.86351	-.13281	-.00580	.07255	.00008	.00123	.00370	.00000
.155	23.175	4.13768	35.10148	4.83017	-.16862	-.00676	.07829	-.00584	.00102	.00215	.00000
.155	39.402	4.09878	34.97053	4.77331	-.18984	-.00724	.08380	-.00655	.00033	.00177	.00000
.155	54.341	4.26567	35.08577	4.91743	-.19958	-.00834	.08581	-.01087	.00044	.00121	.00000
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7

F30TS401G5.3.5

(TJF159) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAW = 6.165 RN/L = 1.090
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 159/ 0		RN/L = .00		GRADIENT INTERVAL = -5.00/ 5.00							
MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.156	11.341	6.16471	35.42024	6.84637	-.03335	-.00411	.06921	.00248	.00108	.00414	.00000
.155	13.291	6.13590	35.12716	6.83653	-.05054	-.00604	.07230	-.00097	.00093	.00381	.00000
.155	22.253	6.11054	35.08977	6.80701	-.10513	-.00990	.08156	-.00579	.00087	.00283	.00000
.155	38.214	6.17549	35.21648	6.86310	-.12659	-.01121	.08865	-.00806	-.00029	.00190	.00000
.155	64.392	6.24507	35.23567	6.88474	-.14202	-.01237	.09199	-.01129	.00015	.00166	.00000
GRADIENT		.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

(CA-8) K2.1TS7

F30TS401G5.3.5

(TJF160) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.112	RN/L. =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K2.1TS7

F30TS401G5.3.5

(TJF161) (07 JUN 76)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

PARAMETRIC DATA

ALPHAW =	10.252	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

F30TS401G5.3.5

PARAMETRIC DATA

ALPHAW =	12.237	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 162/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF163) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.158	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 163/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF164) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.201	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 164/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF:65) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.049	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
ICRB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 165/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF168) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.130	RN/L =	1.090
STAB =	-4.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF169) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.183	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF170) (07 JUN 76)

```
SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.9100 IN.         YMRP = .0000 IN.YO
BREF = 935.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

ALPHAW	=	4.177	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORS	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

GRADIENT INTERVAL = -5.00/ 5.00															
RUN NO. 170/ 0		RN/L = .00		CL		CLM		CY		CLN		CSL		BETA	
MACH	GP	ALPHA	Q(PSF)	ALPHA	CL	CLM	CY	CLN	CSL	BETA					
.155	11.332	4.17654	35.20734	7.95275	-.01817	.00389	.12116	.00513	.00180	.00175	.00000				
.155	13.432	4.15213	35.20951	7.94486	-.03597	.00274	.12399	.00113	.00149	.00150	.00000				
.155	21.947	4.12265	35.14056	7.91526	-.07478	.00006	.13088	-.00069	.00106	.00015	.00000				
.154	38.213	4.07552	34.82492	7.85214	-.09709	-.00047	.13513	-.00491	.00081	-.00029	.00000				
.155	53.156	4.00760	35.19376	7.76339	-.10547	-.00122	.13821	-.00581	.00079	-.00020	.00000				
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000				

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	6.229	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

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(TJF172) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 172/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF173) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.106	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 173/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF174) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.126	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 174/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF175) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      4.171    RN/L =      1.090
STAB   =      .000    ELEVTR =      .000
IORB   =      6.000    ELEVON =     -5.000
BDFLAP =     -11.700
```

RUN NO. 175/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF176) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	6.173	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 176/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF177) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.173	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 177/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF178) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.137	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 178/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF179) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.198	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 179/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF180) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.151	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(TJF181) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.167	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
EDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF182) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 182/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF183) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	5.180	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 183/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF184) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.158	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 184/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57H15.6.1F30TS40IG5.3.5

(TJF185) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.175	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BCFLAP =	-11.700		

RUN NO. 185/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF186) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 12.161 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 186/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.156	20.614	12.16056	35.43519	15.95164	.24066	.03553	.14885	.00193	-.00028	.00336	.00000
.155	23.969	12.15201	35.18029	15.95164	.22289	.03215	.15397	.00208	-.00038	.00295	.00000
.155	39.988	12.17697	34.99586	15.95164	.17208	.02330	.16645	-.00518	-.00002	.00151	.00000
.155	55.464	12.20100	35.08515	15.94351	.15379	.02020	.16968	-.00643	.00045	.00111	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF187) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = .179 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 187/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.278	.17917	34.98679	3.91412	-.17955	.00495	.12063	.00796	.00200	.00396	.00000
.155	13.977	.13823	35.17663	3.89943	-.19288	.00462	.12324	.00578	.00141	.00367	.00000
.156	24.041	.12554	35.41403	3.68670	-.21347	.00470	.12707	-.00167	.00107	.00224	.00000
.155	32.911	.17216	35.14763	3.92587	-.22123	.00488	.12907	-.00136	.00050	.00257	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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(TJF188) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.122	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 188/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF189) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.123	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 189/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF190) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.153	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 190/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF191) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.190	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 191/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF192) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.151	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 192/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS401G5.3.5

(TJF193) (07 JUN 76)

REFERENCE DATA

```

'SREF' = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.          YMRP = .0000 IN.YO
BREF = 936.6800 IN.          ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.128	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 193/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7 F30TS401G5.3.5

(TJF194) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.126	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 194/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7 F30TS40IG5.3.5

(TJF195) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.186	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 195/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF 196) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.187	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(TJF 197) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.192	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

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(TJF198) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.168	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
WIDFLAP =	-11.700		

RUN NO. 198/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF199) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.171	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 199/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF200) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.098	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 200/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF201) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 201/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF202) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.191	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 202/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF203) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 203/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-B) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF204) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.192	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 2047 0

$$RN/L =$$

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 205/ 0

RN/L =

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF206) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.242	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF207) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.119	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(TJF208) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.086	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 208/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF209) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.183	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 209/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(TJF210) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.134	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 210/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF211) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.213	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 211/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF212) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 212/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF213) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.140	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.030	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 213/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF214) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.192	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 214/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF215) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.124	RN/L =	1.090
STAB =	-4.000	ELEVTP =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 215/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF216) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW = 12.123 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BOFLAP = .000
```

RUN NO. 216/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF217) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.194	RN/L =	1.090
STAB. =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 217/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF218) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 4.059 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 218/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF219) (07 JUN 75)

PARAMETRIC DATA

ALPHAW =	6.081	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 219/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF220) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHA	=	8.162	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 220/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF221) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW = 10.070 RN/L = 1.090
STAB = -2.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 221/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF222) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.211	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 222/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF223) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.204	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 223/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.E.1F30TS402G5.3.5

(TJF224) (15 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.117	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 224/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF225) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  =      .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE =      .0405

```

PARAMETRIC DATA

ALPHAW =	6.147	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 225/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF226) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.164	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 226/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF227) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.089 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 227/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF228) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.121 RN/L = 1.090
STAB = .000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

[illegible]

(TJF229) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = .216 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF230) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  =      .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW = 4.197 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 2307 0

$$RN/L =$$

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS4U2G5.3.5

(TJF231) (07 JUN 75)

REFERENCE DATA

```

SREF = 2690.0000 SO.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
SREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW =      6.094      RN/L =      1.090
IORB   =      6.000      ELEVON =     -5.000
BDFLAP =      .000
```

RUN NO. 231/ 0

$$RN/L =$$

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF23E) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.072	RN/L =	1.090
IORB =	5.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 232/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF233) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.131 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BOFLAP = .000
```

RUN NO. 233/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF234) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.131 RN/L = 1.090
IORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 234/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF235) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.234	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 235/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF236) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.036	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 236/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF237) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.109	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 237/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF238) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.X0
LREF = 474.8100 IN.         YMRP = .0000 IN.Y0
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.Z0
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.123	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 238/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF239) (07 JUN 76)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

PARAMETRIC DATA

ALPHAW =	10.152	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 239/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF240) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.091	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 240/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF241) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN         YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.       ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.204	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 241/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS40235.3.5

(TJF242) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 4.127 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 242/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.156	11.331	4.12728	35.43085	9.86749	.07531	.03517	.14366	.00964	-.00041	.00471	.00000
.156	12.755	4.11557	35.51339	9.86749	.05772	.03290	.14445	.01020	-.00019	.00311	.00000
.155	22.097	4.08433	35.34153	9.83972	.02017	.02878	.15482	-.00085	.00005	.00274	.00000
.155	38.168	4.03791	35.03144	9.77428	-.00821	.02629	.15890	-.00023	.00027	.00203	.00000
.154	53.120	4.18944	34.74373	9.90319	-.00849	.02644	.16130	-.00609	.00058	.00090	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF243) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 6.143 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 243/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.156	11.341	6.14310	35.65884	11.88941	.15253	.04400	.14674	.01159	-.00060	.00447	.00000
.156	12.365	6.11753	35.63850	11.88341	.14528	.04317	.14923	.01162	-.00055	.00366	.00000
.156	21.308	5.96664	35.53891	11.85745	.08823	.03507	.15965	.00259	-.00046	.00344	.00000
.155	37.264	6.16274	35.03699	11.83749	.05760	.03127	.16635	-.00106	.00016	.00159	.00000
.155	53.065	6.21553	35.08035	11.93934	.05241	.03051	.16939	-.00435	.00050	.00099	.00000
.155	63.430	6.16301	35.07149	11.86344	.04803	.03025	.16940	-.00737	.00047	.00059	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF244) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF245) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.104	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

[illegible]

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(TJF246) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.217	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(TJF247) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.185	RN/L =	1.090
TORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

F30TS402G5.3.5

(TJF248) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	4.176	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 248/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

F30TS402G5.3.5

(TJF249) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.162	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
RDELAP =	.000		

RUN NO. 249/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF250) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.199	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 250/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF251) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SO.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW = 10.114 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 251/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.327	10.11423	35.26867	15.87847	.31581	.08264	.15415	.00793	-.00146	.00405	.00000
.155	12.743	10.09237	35.22757	15.87237	.29302	.07782	.15675	.00559	-.00144	.00455	.00000
.155	21.546	10.07212	35.23169	15.86018	.22827	.06491	.17121	.00203	-.00074	.00237	.00000
.154	37.980	10.16642	34.91560	15.92928	.19652	.05897	.18184	-.00543	.00034	.00084	.00000
.155	53.349	10.28009	35.12395	16.00857	.18835	.05809	.1850C	-.00870	.00064	.00039	.00000
.155	85.033	10.22839	35.01307	15.87034	.17909	.05628	.1865E	-.00972	.00072	.00031	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.0000C	.00000	.00000	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F30TS402G5.3.5

(TJF252) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.218	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 252/ 0

$$RN/L =$$

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF253) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.182	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 253/ 0

$$RN/L =$$

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF254) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.155	RN/L =	1.090
STAB	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(TJF255) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.113	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
RDFLAP =	.000		

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF256) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.174	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 256/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF257) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.184	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 257/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF258) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.229	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 258/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF259) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 259/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF260) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	4.181	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 260/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF261) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	6.166	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDELAP	=	.000			

RUN NO. 261/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-B - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF262) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	8.149	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 262/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF263) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.166	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 263/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF264) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.163	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 264/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF265) (08 JUN 76)

PARAMETRIC DATA

ALPHAW =	11.591	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF266) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.092	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(TJF267) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      4.187    RN/L   =      1.090
STAB   =     -2.000    ELEVTR =      .000
IORB   =      8.000    ELEVON =     -5.000
BDFLAP =      .000
```

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF268) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	6.100	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 268/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF269) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.172	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 269/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.17161	35.25356	13.90850	.23683	.	.15035	.00914	-.00076	.00324	.00000
.155	12.444	8.13812	34.99672	13.90447	.22306	.06232	.15252	.00975	-.00084	.00373	.00000
.155	21.838	8.12892	35.25278	13.90045	.16396	.05977	.16636	.00025	-.00011	.00218	.00000
.155	37.809	8.19445	35.32637	13.94877	.13061	.04883	.17362	.00025	-.00196	.00148	.00000
.155	53.304	8.20045	35.31628	13.91454	.12080	.04347	.17637	- .00381	.00023	.00098	.00000
.156	74.495	8.26465	35.42061	13.93065	.11695	.04236	.17793	- .00333	.00052	.00108	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.04162	.00000	.00000	.00039	.00000	.00000
						.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF270) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.130	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 270/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF271) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 271/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS402G5.3.5

(TJF272) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT.   XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.      YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.      ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BOFLAP	=	.000	GP	=	54.000

RUN NO. 272/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF273) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.208	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 273/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF274) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = 4.170 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 274/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.331	4.16978	35.04202	9.96271	.09242	.01246	.13193	.00547	.00042	.00464	.00000
.155	13.417	4.14721	35.13502	9.95874	.08297	.01096	.13641	.00151	.00039	.00375	.00000
.155	22.665	4.12115	34.98891	9.93295	.03738	.00763	.14483	-.00288	.00020	.00278	.00000
.155	38.786	4.14861	35.17541	9.94684	.01353	.00605	.15070	-.00699	-.00053	.00182	.00000
.155	53.725	4.23338	35.29065	10.01033	.00777	.00547	.15319	-.00875	-.00015	.00151	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF275) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = 6.144 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 275/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.341	6.14375	35.08444	11.94333	.17834	.02273	.13528	.00327	-.00034	.00419	.00000
.155	12.877	6.10518	34.92329	11.92935	.16011	.02040	.13793	.00240	-.00011	.00338	.00000
.155	21.989	6.10054	35.14456	11.92136	.10653	.01417	.14843	-.00396	-.00038	.00258	.00000
.155	37.856	6.14965	34.91389	11.95532	.07883	.01144	.15730	-.00834	-.00033	.00152	.00000
.155	64.002	6.21091	35.14036	11.97530	.07019	.01073	.16145	-.00870	-.00027	.00147	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(TJF276) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 8.179 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 276/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.17937	35.11950	13.98503	.26327	.03816	.13883	.00263	-.00082	.00381	.00000
.155	12.524	8.16119	35.08879	13.98503	.24656	.03538	.14115	.00081	-.00051	.00341	.00000
.155	21.932	8.14827	35.03840	13.97697	.18203	.02591	.15490	-.00190	-.00044	.00281	.00000
.155	37.878	8.15270	35.11251	13.96086	.14761	.02160	.16432	-.00675	-.00052	.00207	.00000
.155	53.377	8.24323	35.34574	14.02531	.13787	.02053	.16798	-.00843	.00006	.00120	.00000
.156	74.585	8.26207	35.48034	13.99913	.13501	.01981	.16961	-.00941	-.00008	.00134	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(TJF277) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 10.178 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 277/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.327	10.17770	35.15577	15.97603	.35477	.06007	.14343	.00856	-.00177	.00517	.00000
.155	12.662	10.15203	35.17693	15.98010	.33478	.05641	.14673	.00522	-.00153	.00430	.00000
.155	21.587	10.14932	35.20986	15.98010	.26335	.04346	.16155	-.00121	-.00076	.00244	.00000
.155	37.910	10.16185	35.03713	15.96790	.21087	.03529	.17189	-.00537	-.00038	.00131	.00000
.155	53.324	10.17902	35.28906	15.95164	.20051	.03337	.17617	-.00811	-.00002	.00097	.00000
.155	85.017	10.26438	35.31686	15.95977	.20126	.03298	.17943	-.01147	.00018	.00084	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00003	.00000	.00000	.00000	.00000

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(TJF278) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 278/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL	BETA
.155	20.609	12.18423	35.17209	17.99133	.36618	.07108	.16332	.00128	-.03165	.00337	.00000
.155	23.936	12.17514	35.16174	17.99955	.34359	.06642	.1683C	-.00087	-.00084	.00201	.00000
.156	39.963	12.19623	35.44841	18.00777	.29152	.05640	.1804C	-.00880	-.00030	.00122	.00000
.155	55.439	12.21449	35.03552	17.98722	.27550	.05317	.18413	-.00921	.00011	.00088	.00000
.155	97.786	12.39746	35.08789	18.03244	.27907	.05395	.1892E	-.00810	.00030	.00069	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.0000C	.00000	.00000	.00000	.00000

(TJF279) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.160	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 279/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF280) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.141	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 280/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF281) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.199	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 281/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF282) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.128	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 282/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF283) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.137	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 283/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

PAGE 340

(TJF284) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.159 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 8.000 ELEVON = -5.000
BDFLAP = -11.700
```

RUN NO. 284/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF285) : 07 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      .120    RN/L =      1.090
STAB   =      .000    ELEVTR =     .000
IORB   =      8.000    ELEVON =     -5.000
BDFLAP =     -11.700
```

RUN NO. 285/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF286) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.113	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	-11.700		

[illegible]

(TJF287) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.125	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

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(TJF288) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.199	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 288/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF289) (67 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.130   RN/L = 1.090
STAB = .000       ELEVTR = .000
IORB = 8.000      ELEVON = -5.000
BCFLAP = -11.700
```

RUN NO. 289/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

PAGE 843

(TJF290) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.171	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDCLAP =	-11.700		

[illegible]

(TJF291) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.231	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

PAGE 844

(TJF292) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.088	RN/L =	1.090
TORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(TJF293) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      6.232    RN/L =      1.090
IORB   =      8.000    ELEVN =     -5.000
BDFLAP =     -11.700
```

[illegible]

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(TJF294) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.170	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(TJF295) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.141	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDCLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7

F30TS401G5.3.5

(TJF296)

(07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	12.141	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 296/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(1JF297) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.263	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 297/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.279	.26270	35.34766	6.04803	-.05839	.00835	.12945	.00317	.00111	.00456	.00000
.155	14.372	.21801	35.38004	6.03133	-.07074	.00799	.13169	.00405	.00074	.00440	.00000
.155	24.370	.16503	35.21198	5.97534	-.09494	.00765	.13626	-.00485	.00043	.00270	.00000
.155	33.253	.09460	35.07726	5.89676	-.10169	.00804	.13813	-.00793	.00013	.00219	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00100	.00000	.00000

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

PAGE 847

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF298) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

ALPHAH = 4.047 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 298/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.330	4.04743	35.14130	9.85360	.08525	.01149	.13317	.00442	.03026	.00521	.00000
.155	16.791	4.12249	35.26952	9.95477	.05495	.00808	.14162	-.00546	-.00016	.00408	.00000
.155	22.231	4.10865	35.36961	9.93890	.03452	.00661	.14665	-.00725	.00015	.00240	.00000
.155	37.674	4.15749	35.04209	9.99049	.01193	.00531	.15146	-.00893	-.00045	.00170	.00000
.155	52.767	4.22103	35.14231	10.02422	.00897	.00530	.15337	-.01167	.00003	.00156	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF299) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

ALPHAH = 6.135 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 299/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.341	6.13541	35.04289	11.98329	.17123	.02116	.13646	-.00118	-.00017	.00378	.00000
.155	14.026	6.11146	34.98017	11.97929	.15975	.01854	.14203	.00283	-.00027	.00453	.00000
.154	21.809	6.09256	34.93941	11.95332	.10938	.01304	.15004	-.00743	-.00016	.00308	.00000
.154	37.459	6.18087	34.94504	12.03723	.08058	.01024	.15792	-.00980	-.00022	.00172	.00000
.155	53.311	6.12448	34.99204	11.98529	.07370	.00940	.16100	-.01127	-.00024	.00191	.00000
.155	63.738	6.20841	35.13657	12.01326	.06868	.00847	.16163	-.01413	-.00012	.00144	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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(CA-8) K3.1TS7H15.6.1F30TS401G5.3.5

(TJF300) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	#	8.209	RN/L	#	1.090
STAB	#	-2.000	ELEVTR	#	-23.000
IORB	#	8.000	ELEVON	#	-5.000
EDFLAP	#	-11.700			

RUN NO. 300/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F30TS40IG5.3.5

(TJF301) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SO.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.143	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
TORS =	8.000	ELEVON =	-5.000
ROFLAP =	-11.700		

RUN NO. 301/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF302) (07 JUN 76)

PARAMETRIC DATA

ALPHA	=	12.252	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

[illegible]

(TJF303) 1 07 JUN 76 1

PARAMETRIC DATA

ALPHAW =	.255	PN/L *	1.030
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

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(TJF304) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	4.075	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IGRB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 304/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF305) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.050	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 305/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF306) (07 JUN 76)

REFERENCE DATA

```

SREF = 2890.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.107	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 306/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF307) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IOB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 307/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF308) (07 JUN 75)

PARAMETRIC DATA

ALPHAW	=	12.145	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

[illegible]

(TJF309) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = .211 RN/L = 1.090
ICRB = 8.000 ELEVON = -5.000
BDELAP = .000
```

[illegible]

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(TJF310) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	4.011	RN/L	=	1.090
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 310/ 0 RN/L * .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF311) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.211	RN/L =	1.090
ICPB =	9.000	ELEVON =	-5.000
EDFLAP =	.000		

RUN NO. 311/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F10TS402G5.3.5

(TJF312) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      8.089    RN/L  =      1.090
IORB   =      8.000    ELEVON =     -5.000
BDFLAP =      .000
```

RUN NO. 312/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.ITS7

F10TS402G5.3.5

(TJF313) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.137	RN/L =	1.090
ICRB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 313/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-B - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F10TS402G5.3.5

(TJF314) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.208 RN/L = 1.090
IORB = 8.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 314/ J RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3 1T57H15.6.1F10TS402G5.3.5

(TJF315) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.206	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 315/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF316) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.136	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 316/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF317) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.112	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 317/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF318) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.230	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 318/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS40205.3.5

(TJF319) (07 JUN 75)

PARAMETRIC DATA

ALPHAW =	10.065	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 319/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(IJF320) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	12.133	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

[illegible]

(TJF321) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.178	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
TORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

PARAMETRIC DATA

ALPHAW =	8.152	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 324/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF 325) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP      1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP      .0000 IN.YO
BREF = 936.6800 IN.        ZMRP      375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.053	RM/L =	1.090
STAB =	.000	ELFVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BDCLAP =	.000		

RUN NO. 325/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F10TS40205.3.5

(TJF326) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 12.123 RN/L = 1.090
 STAB = .000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 326/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	20.277	12.12346	34.99558	17.85984	.47854	.13443	.14287	.00561	-.00205	.00491	.00000
.154	22.492	12.09555	34.72360	17.84752	.46728	.13187	.14318	.00182	-.00167	.00469	.00000
.155	38.565	12.08969	35.17457	17.83930	.45098	.12908	.14980	-.00320	-.00026	.00242	.00000
.155	55.053	12.19217	35.22884	17.92146	.44758	.12832	.15120	-.00595	.00039	.00146	.00000
.155	97.378	12.21157	35.13387	17.84752	.44549	.12717	.15287	-.00596	.00051	.00069	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS40205.3.5

(TJF327) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = .195 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 327/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.278	.19512	35.28589	5.88399	.09314	.05094	.10234	.00340	-.00001	.00508	.00000
.155	14.550	.14733	35.15519	5.86730	.09506	.05077	.10175	.00358	.00049	.00455	.00000
.155	24.995	.09003	35.03149	5.80739	.10056	.05122	.10099	.00140	.00002	.00393	.00000
.155	34.013	.16034	35.09980	5.86730	.10295	.05167	.10073	-.00636	.00049	.00247	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

C-8

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF328) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	3.963	RN/L	=	1.090
STAB	=	2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 328/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF329) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.133	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	8.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 329/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF330) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 8.150 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 330/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.15023	35.02695	13.87226	.36757	.09033	.12+71	.00793	-.00183	.00648	.00000
.155	13.151	8.11835	35.24908	13.86421	.35458	.08828	.12+85	.01039	-.00177	.00620	.00000
.155	22.612	8.16050	35.10991	13.90850	.33601	.08569	.12859	-.00111	-.00079	.00401	.00000
.155	38.681	8.15136	35.27843	13.89239	.33471	.08516	.13007	-.00395	-.00035	.00274	.00000
.155	54.056	8.11055	35.14275	13.82596	.32850	.08432	.13060	-.00823	.00030	.00133	.00000
.155	74.971	8.14313	35.16946	13.82798	.32561	.08354	.13098	-.00777	.00018	.00119	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00300	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF331) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 10.074 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 8.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 331/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.328	10.07373	35.28067	15.80329	.42709	.11067	.12879	.00687	-.00206	.00547	.00000
.155	14.577	10.13516	35.08975	15.89269	.41383	.10917	.13179	.00652	-.00196	.00548	.00000
.155	21.674	10.12639	35.07071	15.88253	.40130	.10662	.13644	.00269	-.00161	.00445	.00000
.155	38.341	10.23734	35.13599	15.98010	.38498	.10478	.13970	-.00571	.00001	.00160	.00000
.155	53.513	10.23477	34.97327	15.94757	.38503	.10425	.14164	-.00810	.00039	.00104	.00000
.155	85.165	10.25600	35.32650	15.92115	.38718	.10431	.14339	-.00943	.00065	.00062	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00300	.00000	.00000	.00000	.00000

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(TJF332) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	12.218	RN/L	=	1.090
STAB	=	2.000	ELEVTR	=	.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 332/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF333) (07 JUN 76)

PARAMETRIC DATA

ALPHA	=	.240	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 333/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF334) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.003	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 334/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF 335) (07 JUN 75)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.127	RN/L =	1.090
SIAB =	-2.000	ELEVIR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 335/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF336) (07 JUN 76)

PARAMETRIC DATA

ALPHA	=	8.113	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	.000			

RUN NO. 336/0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.11352	35.23806	11.81153	.24041	.06573	.11752	.09802	-.03995	.00630	.03000
.155	12.616	8.08899	35.15623	11.80354	.23317	.06479	.11736	.01138	-.00135	.00545	.00000
.154	22.215	8.18005	34.93882	11.89540	.21860	.06342	.12081	.00276	-.00061	.00385	.00000
.154	37.931	8.15214	34.78134	11.85346	.20385	.06130	.12243	-.00108	-.00020	.00234	.00000
.155	53.548	8.20453	35.01056	11.88741	.20447	.06145	.12327	-.00637	.00031	.00139	.00000
.155	74.661	8.24969	35.17758	11.90738	.20605	.06151	.12456	-.00540	.00016	.00134	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

REFERENCE DATA

PARAMETRIC DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6900 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	10.121	RN/L =	1.000
STAB =	-2.000	ELEVTR =	.000
IOPB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 337/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF338) (07 JUN 76)

PARAMETRIC DATA

ALPHA	=	12.123	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
ROFLAP	=	.000			

RUN NO. 338/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-B) K3.1TS7H15.6.1F10TS402GS.3.5

(TJF339) (07 JUN 76 1

PARAMETRIC DATA

ALPHAW =	.132	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 339/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF340) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.180	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 340/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF341) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.149	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORS =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 341/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF342) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.123	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDPLAP =	.000		

[illegible]

(TJF343) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 10.115 RN/L = 1.090
STAB = .000 ELEVTR = .000
ICRB = 6.000 ELEVON = -5.000
BDELAP = .000
```

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF344) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	12.139	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BOFLAP	=	.000			

RUN NO. 344/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF345) (07 JUN 75)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW =      .142    RN/L    =      1.090
STAB    =      2.000    ELEVTR =      .000
IORB    =      6.000    ELEVON =     -5.000
BDFLAP  =      .000
```

RUN NO. 345/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF346) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.102	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 346/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF347) (07 JUN 75)

PARAMETRIC DATA

ALPHAW =	6.145	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 347/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.ITS7H15.6.1F10TS402G5.3.5

(TJF348) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAW = 8.104 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 348/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.10431	35.37829	11.80754	.24288	.06593	.11603	.01128	-.00132	.00642	.00000
.155	12.803	8.07025	35.09504	11.79156	.23216	.06595	.11609	.01149	-.00104	.00560	.00000
.154	22.643	8.05670	34.96759	11.77959	.21401	.06424	.11952	.00132	-.00043	.00354	.00000
.154	38.479	8.18707	34.79797	11.89340	.21134	.06366	.12225	-.00350	.00003	.00235	.00000
.155	53.912	8.16517	35.17866	11.85346	.20784	.06322	.12326	-.00490	.00019	.00159	.00000
.155	74.993	8.11336	35.26751	11.77360	.20390	.06213	.12380	-.00680	.00040	.00106	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.ITS7H15.6.1F10TS402G5.3.5

(TJF349) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAW = 10.197 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 349/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.327	10.19656	35.21466	13.91253	.31917	.08467	.12221	.01114	-.00156	.00580	.00000
.155	13.837	10.16151	35.23709	13.90649	.30778	.08246	.12435	.00871	-.00159	.00599	.00000
.155	22.155	10.14136	35.10385	13.88233	.27860	.07845	.12696	.00164	-.00073	.00369	.00000
.155	38.727	10.13204	35.03113	13.85516	.26506	.07680	.13066	-.00414	-.00022	.00222	.00000
.154	54.015	10.19459	34.95652	13.89642	.26777	.07714	.13233	-.00595	.00033	.00140	.00000
.154	85.777	10.16716	34.74450	13.82596	.26799	.07639	.13337	-.00602	.00032	.00110	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF350) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6900 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAW = 12.193 RN/L = 1.090
 STAB = 2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 350/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	20.277	12.19313	34.89476	15.90286	.35710	.09999	.13485	.00236	-.00129	.00463	.00000
.155	23.255	12.16973	35.02855	15.89879	.34753	.09846	.13507	.00479	-.00145	.00440	.00000
.154	39.622	12.16124	34.82304	15.87440	.33229	.09625	.14068	-.00519	-.00304	.00204	.00000
.155	55.026	12.11712	35.15437	15.80329	.32498	.09436	.14128	-.00556	.00020	.00145	.00000
.154	97.352	12.24856	34.91956	15.83783	.33053	.09458	.14372	-.00501	.00051	.00106	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00100	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F10TS402G5.3.5

(TJF351) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.9100 IN. YMRP = .0000 IN.YO
 BREF = 936.6000 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAW = .239 RN/L = 1.090
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 351/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAW	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.273	.23892	35.13641	3.92195	-.02103	.05059	.10160	.01517	.00014	.00513	.00000
.155	15.583	.19121	35.27761	3.90335	-.01563	.05086	.10163	.01364	.00009	.00511	.00000
.155	25.959	.14231	35.20233	3.84862	-.01447	.05163	.10027	-.00103	.00053	.00215	.00000
.155	34.821	.06902	35.09358	3.77020	-.01814	.05187	.09344	-.00415	.00015	.00169	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00100	.00000	.00000	.00000	.00000

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(CA-8) K3.1T57

F10TS402G5.3.5

(TJF352) (07 JUN 76)

PARAMETRIC DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	4.108	RN/L =	1.090
10RB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 352/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F10TS402G5.3.5

(TJF353) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.9100 IN.         YMRP = .0000 IN.YO
BREF = 935.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.177	RN/L =	1.090
TORS =	6.000	ELEVON =	-5.000
SUFLAP =	.000		

RUN NO. 353/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.ITS7

F10TS402G5.3.5

(TJF354) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.175	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 354/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7

F10TS402G5.3.5

(TJF355) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.215	RN/L =	1.090
IORS =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 355/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q (PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.326	10.21554	35.09656	13.94072	.31575	.08165	.12020	.01219	-.00193	.00652	.00000
.155	14.746	10.17320	35.16715	13.92058	.30197	.07950	.12352	.01077	-.00181	.00649	.00000
.155	22.585	10.14945	35.02009	13.88837	.27825	.07606	.12574	.00317	-.00098	.00424	.00000
.154	38.903	10.12327	34.77791	13.84609	.26474	.07503	.12751	-.00305	-.00014	.00209	.00000
.154	54.446	10.25796	34.68373	13.95884	.26285	.07501	.12992	-.00543	.00015	.00153	.00000
.155	86.043	10.25964	35.17687	13.91253	.26624	.07501	.13134	-.00489	.00014	.00121	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

(CA-8) K3.1TS7

F10TS402G5.3.5

(TJF356) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

```
ALPHAW = 12.152 RN/L = 1.090
TORB = 6.000 ELEVON = -5.000
BDFLAP = .000
```

RUN NO. 356/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF357) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.223	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 357/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF358) (07 JUN 76)

REFERENCE DATA

```
SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405
```

PARAMETRIC DATA

ALPHAW =	3.987	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
ROELAP =	.000		

RUN NO. 358/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.330	3.98720	35.16677	7.69634	.09447	.04558	.10959	.00840	-.03048	.00515	.03000
.155	13.142	3.99356	35.16712	7.69944	.09044	.04529	.10916	.00455	-.00026	.00586	.00000
.155	21.921	4.11509	35.03876	7.83833	.08114	.04543	.10920	-.00026	.00012	.00356	.00000
.154	38.125	4.16751	34.93078	7.87778	.08677	.04454	.10865	-.00481	.00009	.00173	.00000
.154	53.027	4.16005	34.79987	7.85806	.08263	.04405	.10996	-.00675	.00027	.00158	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.03000	.00000	.00000	.00000	.00000

(TJF359) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.129	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDCLAP =	.000		

RUN NO. 359/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF360) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.220	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

(TJF361) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.205	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS40265.3.5

(TJF362) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 12.137 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = .000

RUN NO. 362/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	20.183	12.13695	35.28359	15.89269	.35303	.09517	.13582	.00758	-.00164	.00524	.00000
.155	24.023	12.10808	35.23976	15.87847	.33474	.09157	.13663	.00037	-.00118	.00431	.00000
.155	39.500	12.14851	35.01169	15.91708	.32269	.08953	.14137	-.00262	-.00040	.00290	.00000
.154	55.045	12.14895	34.84281	15.89066	.31861	.08786	.14268	-.00714	.00027	.00154	.00000
.155	97.254	12.25170	35.19672	15.89473	.32300	.08852	.14435	-.00637	.00038	.00111	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40165.3.5

(TJF364) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 44.000

RUN NO. 364/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	2.229	.00000	35.22539	2.85385	-.02489	.01717	.04653	-.00897	-.00017	.00095
.155	3.220	.00000	35.02698	3.83481	.00197	.01657	.04975	-.00640	.00017	.00139
.155	4.278	.00000	35.04401	4.88214	.02674	.01580	.05316	-.00927	.00011	.00130
.155	6.264	.00000	35.37362	6.85030	.08204	.01801	.05811	-.00788	.00001	.00105
.155	8.362	.00000	35.12715	8.90489	.14189	.02311	.06291	-.00735	.00063	.00110
	GRADIENT	.00000	-.08735	.98989	.02318	-.00067	.00324	-.00012	.00013	.00017

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(CA-8) K2.1TS7H15.6.1F10TS40105.3.5

(TJF365) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 ICRB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 54.000

RUN NO. 365/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	4.268	.00000	35.23638	4.87625	.02568	.01601	.05311	-.00567	.00034	.00127
.155	6.229	.00000	35.04847	6.80996	.07814	.01686	.05870	-.00529	.00047	.00195
.155	8.229	.00000	35.13105	8.77833	.13562	.02147	.06332	-.00548	.00034	.00147
.155	10.329	.00000	35.26875	10.84687	.19503	.03058	.06929	-.00507	.00037	.00165
.155	12.355	.00000	35.35460	12.83976	.25679	.04342	.07466	-.00473	.00043	.00154
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40105.3.5

(TJF366) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.390
 STAB = -2.000 ELEVTR = .000
 ICRB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 44.000

RUN NO. 366/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.185	2.177	.00000	50.24765	2.94187	-.02448	.01732	.04677	-.00436	.00041	.00203
.185	3.221	.00000	50.47579	3.98364	.00258	.01515	.05034	-.00684	-.00004	.00156
.185	4.259	.00000	50.26923	4.99990	.02972	.01505	.05328	-.00430	.00019	.00170
.185	6.282	.00000	49.81036	6.98808	.08399	.01728	.05918	-.00305	.00021	.00197
.185	8.311	.00000	50.13392	8.96423	.14120	.02184	.06429	-.00426	.00007	.00203
	GRADIENT	.00000	.01060	.98892	.02605	-.00109	.00313	.00003	-.00011	-.00016

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(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF367) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.9100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.390
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 54.000

RUN NO. 367/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.186	4.252	.00000	50.25506	4.98509	.02871	.01480	.05374	-.00485	.00058	.00202
.186	6.288	.00000	50.39556	6.98513	.08181	.01657	.05939	-.00530	.00056	.00191
.186	8.348	.00000	50.29541	8.98797	.14682	.02208	.06468	-.00446	.00045	.00255
.186	10.322	.00000	50.26782	10.95035	.20056	.03063	.07021	-.00743	.00031	.00150
.186	12.438	.00000	50.22425	12.94402	.26302	.04381	.07525	-.00593	.00019	.00163
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF368) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.9100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.430
 STAB = -2.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 44.000

RUN NO. 368/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.204	2.213	.00000	60.22349	2.97758	-.02052	.01608	.04796	-.00527	.00052	.00170
.204	3.238	.00000	60.45488	3.99245	.00535	.01507	.05105	-.00470	.00033	.00180
.204	4.307	.00000	60.22012	5.03707	.03254	.01492	.05421	-.00439	.00028	.00179
.204	6.257	.00000	60.34508	6.95462	.08350	.01665	.05992	-.00387	.00044	.00234
.204	8.337	.00000	60.40564	8.93061	.14287	.02137	.06418	-.00578	.00032	.00170
	GRADIENT	.00000	-.00316	.98347	.02534	-.00055	.00298	.00042	-.00011	.00004

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(TJF363) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

BETA = .000 RN/L = 1.430
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700 GP = 54.000

RUN NO. 369/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.204	4.239	.00000	60.19713	4.96450	.03199	.01510	.05413	-.00858	.00071	.00152
.204	6.310	.00000	60.24327	6.99497	.08647	.01679	.05970	-.00501	.00051	.00191
.204	8.361	.00000	60.03724	8.96621	.11208	.02179	.06509	-.00493	.00034	.00177
.204	10.342	.00000	60.39382	10.89860	.20147	.03001	.07035	-.00506	.00032	.00224
.204	12.403	.00000	60.32885	12.95003	.26730	.04389	.07600	-.00638	.00036	.00178
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(TJF373) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 373/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	.254	.00000	35.14399	3.95231	-.08478	.01579	.11048	-.00556	.00073	.00131
.155	2.245	.00000	35.12032	5.93212	-.03716	.01141	.11646	-.00850	.00080	.00054
.155	4.325	.00000	35.19013	7.97643	.02043	.01083	.12287	-.01043	.00063	.00064
.155	6.280	.00000	35.18271	9.90319	.07867	.01418	.12881	-.00978	.00065	.00073
.155	8.375	.00000	35.24955	11.96731	.14193	.02155	.13560	-.01010	.00056	.00083
.155	10.377	.00000	35.26619	13.93871	.20919	.03359	.14332	-.00880	.00058	.00085
.155	12.484	.00000	35.24913	16.02077	.27359	.04972	.15077	-.00987	.00054	.00070
.155	14.471	.00000	35.40319	17.97078	.34242	.07047	.15926	-.00749	.00053	.00096
.155	16.581	.00000	35.08266	20.06754	.41879	.09950	.16993	-.00720	.00060	.00099
.155	18.442	.00000	35.18513	21.93555	.47197	.12517	.17852	-.00816	.00025	.00092
	GRADIENT	.00000	.01150	.98844	.02586	-.00121	.09304	-.00117	-.00002	-.00016

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF374) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.187	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 374/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF375) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP =          .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.094	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 375/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF376) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = 6.154 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 376/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.341	6.15392	35.09331	9.82187	.15934	.05429	.11396	.01076	-.03079	.00614	.00000
.154	13.441	6.12049	35.06990	9.81592	.15376	.05354	.11450	.01134	-.09057	.00536	.00000
.154	18.881	6.11154	35.12046	9.80204	.15039	.05370	.11594	.00596	-.00031	.00450	.00000
.155	22.548	6.09820	35.29627	9.78816	.14509	.05295	.11445	.00398	-.00027	.00410	.00000
.155	26.630	6.12904	35.21975	9.81790	.14428	.05283	.11624	.00112	-.00005	.00382	.00000
.154	38.416	6.18765	35.10185	9.86947	.14295	.05218	.11679	-.00291	.00008	.00222	.00000
.154	54.097	6.14290	35.14961	9.81195	.14168	.05303	.11808	-.00369	.00041	.00180	.00000
.155	64.532	6.20736	35.18034	9.86154	.13954	.05281	.11781	-.00325	.00022	.00165	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF377) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = 8.131 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = .000

RUN NO. 377/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.13055	35.19267	11.81353	.23164	.06469	.11866	.01340	-.00114	.00596	.00000
.155	12.708	8.10990	35.19987	11.81153	.22753	.06384	.11975	.01339	-.00127	.00646	.00000
.155	18.315	8.14700	35.19232	11.84547	.21623	.06292	.12168	.00913	-.00082	.00550	.00000
.155	22.092	8.14017	35.20027	11.83549	.21041	.06286	.12211	.00526	-.00058	.00479	.00000
.154	26.092	8.13370	35.07348	11.82750	.20562	.06134	.12277	.00284	-.00043	.00387	.00000
.154	38.069	8.11989	35.15449	11.80354	.20084	.06165	.12351	-.00100	-.00003	.00260	.00000
.154	53.554	8.16845	35.14038	11.83349	.20309	.06193	.12536	-.00336	.00031	.00195	.00000
.155	74.725	8.20010	35.20848	11.83549	.20262	.06179	.12560	-.00193	.00016	.00181	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K3.1T57H15.6.1F10TS402G5.3.5

(TJF378) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 378/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF379) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.167	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BCFLAP =	.000		

RUN NO. 379/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF380) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.132	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 380/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF381) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.129	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 381/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.331	4.12865	35.11638	7.79889	.09192	.04963	.11684	.01153	-.00025	.00587	.00000
.154	13.977	4.09937	35.01189	7.79100	.09247	.04953	.11863	.01252	-.00036	.00630	.00000
.155	19.356	4.09787	35.23534	7.78903	.08623	.04990	.11969	.00718	.00011	.00419	.00000
.154	23.250	4.12593	35.12479	7.81466	.08344	.04950	.11921	.00132	.00024	.00352	.00000
.155	27.385	4.11645	35.17525	7.80283	.08306	.04954	.11897	.00079	.00018	.00298	.00000
.155	39.384	4.15853	35.35572	7.84228	.08893	.04998	.11974	-.00313	.00027	.00189	.00000
.154	54.325	4.19844	35.10475	7.86792	.08693	.05003	.11011	-.00164	.00032	.00210	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

17A-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF382) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.149	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	.000		

RUN NO. 382/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF383) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 935.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0495

```

PARAMETRIC DATA

ALPHAW =	8.171	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDCLAP =	.000		

RUN NO. 383/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF384) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.148	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
ICRS =	6.000	ELEVON =	-5.000
BDFLAP =	.000		

RUN NO. 384/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F10TS402G5.3.5

(TJF385) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
SREF = 936.6900 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.178	RN/L =	1.090
STAB =	2.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BDCLAP =	.000		

RUN NO. 385/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF386) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.144	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 385/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF387) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.121	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 387/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

REFERENCE DATA

PARAMETRIC DATA

RUN NO. 388/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF389) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

RUN NO. 389/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF390) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.166	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF391) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.170	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORS =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

MACH	GP	ALPHAW	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL	BETA
.154	20.263	12.16964	35.00061	12.83976	.23914	.04737	.06782	.00112	.00005	.00590	.00000
.155	23.593	12.14875	35.26728	12.83976	.28540	.04731	.06964	- .00078	.00032	.00480	.00000
.155	39.611	12.14785	35.29115	12.82373	.26538	.04520	.07427	- .00629	.00006	.00228	.00000
.154	55.065	12.15826	35.08111	12.80569	.26296	.04517	.07559	- .00774	.00031	.00138	.00000
.155	97.397	12.30594	35.32129	12.95780	.26513	.04558	.07624	- .00864	.00041	.00106	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	- .00000	.00000	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF392) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 392/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF393) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 393/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF394) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 6.118 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 394/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.341	6.11781	35.05984	6.78832	.09325	.01708	.05373	.00318	.00195	.00673	.00000
.154	13.215	6.09989	35.06043	6.78143	.08518	.01712	.05451	.00260	.00164	.00667	.00000
.154	22.340	6.14162	35.13526	6.82964	.07552	.01695	.05581	-.00611	.00073	.00407	.00000
.155	38.207	6.10910	35.33966	6.78930	.06912	.01673	.05749	-.00786	-.00014	.00266	.00000
.155	53.904	6.17370	35.36206	6.83259	.07301	.01715	.05860	-.01022	.00012	.00199	.00000
.155	64.357	6.18871	35.19549	6.83456	.07157	.01718	.05830	-.01081	-.00003	.00198	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF395) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 8.182 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 395/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.18215	35.15919	8.85347	.15958	.02267	.05561	.00230	.00120	.00671	.00000
.154	13.017	8.15795	35.11652	8.85149	.16146	.02277	.05764	.00371	.00100	.00672	.00000
.154	22.392	8.14235	34.91912	8.83172	.14260	.02187	.06081	-.00476	.00081	.00478	.00000
.155	38.388	8.12639	35.31543	8.80403	.13711	.02200	.06179	-.00741	.00021	.00235	.00000
.155	53.862	8.17525	35.18021	8.83369	.13622	.02205	.06277	-.00784	.00044	.00159	.00000
.155	75.038	8.18530	35.14635	8.81194	.13177	.02237	.06247	-.00747	.00012	.00133	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF396) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	10.125	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 396/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF397) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```

SREY = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	12.173	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 397/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF398) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.178	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF399) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW =      4.155      RN/L  =      1.090
STAB   =     -4.000      ELEVTR =      .000
IORB   =      3.000      ELEVON =      .000
BDFLAP =     -11.700
```

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-B) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF400) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.152	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 400/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF401) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.127	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 401/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF402) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.152	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 402/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF403) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	12.125	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 403/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F10TS401G5.3.5

(TJF404) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.144	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFIAP =	-11.700		

RUN NO. 4047 0

RN/L =

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2, ITS7

F10TS401G5.3.5

(TJF405) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.201	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 405/ 0

$$RN/L =$$

.00

GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F10T5401G5.3.5

(TJF406) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.129	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 406/ 0 RN/L = .00 GRADIENT INTERVAL * -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7

F10TS401G5.3.5

(TJF407) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.129	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 407/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7

F10TS401G5.3.5

(TJF408) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SO.FT
LREF  = 474.8100 IN.
BREF  = 936.6800 IN.
SCALE = .0405
XMRP  = 1109.0000 IN.XO
YMRP  = .0000 IN.YO
ZMRP  = 375.0000 IN.ZO

```

PARAMETRIC DATA

ALPHAW =	10.123	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K2.1T57

F10TS40IG5.3.5

(TJF409) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.202	RN/L =	1.090
ICRS =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

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(TJF410) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.133	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 410/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF411) (07 JUN 75)

PARAMETRIC DATA

ALPHAW =	4.213	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 411/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

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(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(TJF412) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 6.142 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 412/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.341	6.14183	35.10794	6.80701	.09752	.01570	.05651	.00098	.00148	.00484	.00000
.154	12.496	6.12132	35.04685	6.80307	.08682	.01527	.05648	-.00044	.00156	.00448	.00000
.155	21.453	6.09117	35.17172	6.77553	.07798	.01493	.05819	-.00595	.00129	.00332	.00000
.155	37.311	6.06824	35.21688	6.74404	.07245	.01433	.05899	-.01230	.00098	.00121	.00000
.155	53.290	6.11816	35.15551	6.77946	.06939	.01422	.05957	-.01227	.00020	.00037	.00000
.154	63.604	6.18393	35.07106	6.83259	.07395	.01413	.06063	-.01480	.00011	.00040	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F10TS401G5.3.5

(TJF413) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 8.115 RN/L = 1.090
 STAB = -2.000 ELEVTR = -23.000
 IORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 413/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.11447	35.18320	8.78624	.16095	.02071	.05820	.00075	.00123	.00613	.01000
.154	14.014	8.50315	34.91664	8.77635	.14749	.02008	.06112	.00321	.00101	.00544	.01000
.154	21.438	8.06997	35.06340	8.75658	.13554	.01869	.06187	-.00530	.00077	.00393	.01000
.155	37.135	8.22849	35.14460	8.90291	.13702	.01953	.06467	-.01150	-.00003	.00135	.01000
.154	52.442	8.22823	35.04161	8.88709	.13453	.01905	.06558	-.01240	.00034	.00080	.01000
.155	73.818	8.13720	35.22938	8.77240	.13045	.01860	.06537	-.01150	-.00005	.00062	.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF414) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.239	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
TORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 414/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F10TS40IG5.3.5

(TJF415) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.206	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 415/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

REFERENCE DATA

PARAMETRIC DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	.239	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 416/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(TJF417) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	4.132	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.030
BDFLAP =	-11.700		

RUN NO. 417/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF418) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.160	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 418/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1T57H15.6.1F20T5401G5.3.5

(TJF419) (07 JUN 76)

PARAMETRIC DATA

ALPHAX =	8.144	RN/L =	1.090
STAG =	-2.000	ELEVTR =	-23.000
IORS =	3.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 419/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF420) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHA	=	10.094	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

RUN NO. 420/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF421) (07 JUN 76)

REFERENCE DATA.

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.106	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 421/ 0 RN/L = .00 GRADIENT INTERVAL = -.500/ .500

[illegible]

(CA-8) K2.1TS7

F20TS40IG5.3.5

(TJF424) (07 JUN 76)

REFERENCE DATA

SREF	=	2590.0000	SQ.FT	XMRP	=	1109.0000	IN.XO
LREF	=	474.8100	IN.	YMRP	=	.0000	IN.YO
BREF	=	936.6800	IN.	ZMRP	=	375.0000	IN.ZO
SCALE	=	.0405					

PARAMETRIC DATA

ALPHAW	=	6.153	RN/L	=	1.090
ICRB	=	3.000	ELEVON	=	.000
BDELAP	=	-11.700			

RUN NO. 424/ 0 RN/L * .00 GRADIENT INTERVAL * -5.00/ 5.00

[illegible]

(CA-8) K2.1157

F20TS401G5.3.5

(TJF425) (07 JUN 76)

REFERENCE DATA

```

SPRF = 2690.0000 SO.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.284	RN/L =	1.090
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 425/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7

F20TS40105.3.5

(TJF426) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 10.235 RN/L = 1.090
 ICRB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 426/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	CP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.326	10.23531	35.17576	10.91054	.19321	.02793	.06465	.00253	.00841	.00516	.00000
.155	13.209	10.21731	35.34760	10.91652	.17879	.02391	.06633	.00065	.00055	.00487	.00000
.155	21.910	10.20618	35.17441	10.89651	.13964	.01754	.07431	-.00545	.00061	.00290	.00000
.155	38.442	10.19334	35.21499	10.87273	.12022	.01559	.07894	-.00028	.00005	.00140	.00000
.155	53.732	10.18871	35.47167	10.84289	.11512	.01572	.08115	-.01201	.00045	.00009	.00000
.155	85.394	10.21312	35.34119	10.79912	.11635	.01589	.08201	-.01511	.00025	-.00034	.00000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7

F20TS40105.3.5

(TJF427) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 12.154 RN/L = 1.090
 ICRB = 3.000 ELEVON = .000
 BOFLAP = -11.700

RUN NO. 427/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	CP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	20.367	12.15431	35.16642	12.83375	.23215	.03200	.07635	-.00166	.00023	.00374	.00000
.154	23.529	12.12787	35.07252	12.82373	.21240	.02974	.07874	-.00315	.00005	.00379	.00000
.155	39.638	12.16339	35.22179	12.85780	.19923	.02705	.08409	-.00051	.00017	.00057	.00000
.155	55.177	12.19365	35.18448	12.85776	.19098	.02836	.08536	-.01040	.00048	.00027	.00000
.155	97.462	12.26972	35.45820	12.80970	.18921	.02847	.01746	-.01225	.00051	-.00031	.00000
GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.01000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF428) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.228	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
TOPB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 428/ 0 RN/L = .00 GRADIENT INTEPVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(TJF429) (07 JUN 75)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 935.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.127	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 429/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF430) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.124	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF431) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.118	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF432) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.125	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 432/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF433) (07 JUN 76)

PARAMETRIC DATA

ALPHAN =	12.127	RN/L =	1.090
STAB =	-6.000	ELEVTR =	.000
IOFB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 433/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF434) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = .213 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 434/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.278	.21300	35.23829	.84247	-.14711	.01637	.05131	.00094	.00216	.00366	.00000
.155	14.081	.16551	35.31338	.82733	-.15052	.01578	.05183	.00054	.00236	.00324	.00000
.155	24.069	.11862	35.13260	.77507	-.15272	.01683	.05193	-.00660	.00173	.00218	.00000
.154	33.072	.07137	35.04057	.69106	-.16095	.01786	.05026	-.01307	.00024	.00101	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF435) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = 4.217 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 TORB = 3.000 ELEVON = .000
 BDFLAP = -11.700

RUN NO. 435/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.332	4.21683	35.08814	4.88802	-.02969	.00785	.05869	-.00005	.00163	.00352	.00000
.154	14.085	4.19776	35.09063	4.88214	-.03297	.00748	.06103	.00051	.00177	.00396	.00000
.154	22.445	4.17572	35.11225	4.85861	-.05688	.00684	.06162	-.00666	.00092	.00228	.00000
.155	38.808	4.13416	35.13028	4.80076	-.06305	.00701	.06311	-.01135	.00024	.00042	.00000
.155	53.855	4.17226	35.23678	4.82625	-.06121	.00712	.06430	-.01382	.00013	.00031	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(TJF436) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6900 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	6.243	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 436/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q (PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.341	6.24261	35.28259	6.91919	.04774	.00915	.06108	.00263	.03139	.00453	.00000
.155	13.408	6.21909	35.31244	6.91328	.02973	.00769	.06192	-.00091	.00102	.00379	.00000
.154	22.425	6.20203	35.05944	6.89262	.00430	.00647	.06614	-.00721	.00124	.00232	.00000
.154	39.079	6.17649	35.11869	6.85424	-.00463	.00665	.06926	-.01160	-.00002	.00052	.00000
.155	53.895	6.14776	35.31670	6.80406	-.00539	.00647	.07064	-.01385	.00039	.00044	.00000
.155	64.383	6.10669	35.31395	6.74700	-.01076	.00659	.07038	-.01399	.00000	.00014	.00000
	GRADIENT	.00000	-.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(TJF437) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	8.082	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 437/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.340	8.08170	35.14523	8.75658	.11055	.01358	.C6267	.00190	.00130	.00498	.00900
.155	11.675	8.06441	35.14475	8.76251	.11297	.01318	.C6528	.00077	.00094	.00437	.00000
.154	21.225	8.05293	35.08761	8.75262	.07034	.00976	.C7089	-.00510	.00075	.00390	.00000
.154	37.115	8.11709	34.94775	8.79810	.05535	.00310	.C7430	-.01183	.00004	.00062	.00000
.155	52.724	8.14105	35.43691	8.79810	.05072	.00879	.C7575	-.01256	.00026	-.00002	.00000
.155	73.808	8.15487	35.29323	8.77833	.04996	.00900	.07662	-.01413	.00313	-.00019	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00300	.00000	.00000

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF438) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

ALPHAW	=	10.091	RN/L	=	1.090
STAB	=	-4.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BCFLAP	=	-11.700			

RUN NO. 438/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1T57H15.6.1F20TS40IG5.3.5

(TJF439) (07 JUN 76)

REFERENCE DATA

PARAMETRIC DATA

```
ALPHAW = 12.115  RNAL = 1.090
STAB = -4.000  ELEVTP = .000
ICRB = 3.000  ELEVON = .000
BDCLAP = -11.700
```

RUN NO. 439/ 0 PN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40!G5.3.5

(TJF440) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SO.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6900 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.293	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 440/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF441) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.248	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOPB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 441/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF442) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.218	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORS =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF443) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.128	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS40IG5.3.5

(TJF444) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW	=	10.224	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BOFLAP	=	-11.700			

RUN NO. 444/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K2.1TS7H15.6.1F20TS401G5.3.5

(TJF445) (07 JUN 76)

REFERENCE DATA

```

SREF = 390.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 74.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.120	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDCLAP =	-11.700		

RUN NO. 445/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF446) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.219	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(TJF447) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.139	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOPB =	3.000	ELEVON =	.000
BDCLAP =	-11.700		

[illegible]

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(TJF448) (07 JUN 76)

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHA	=	6.120	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	3.000	ELEVON	=	.000
BDFLAP	=	-11.700			

[illegible]

(CA-8) K2.1T57H15.6.1F30T5401G5.3.5

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

(TJF449) (07 JUN 76)

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K2.1T57H15.6.1F30TS40IG5.3.5

REFERENCE DATA

```

SREF = 2690.0000 SO.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.056	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K2.1TS7H15.6.1F30TS40IG5.3.5

(TJF451) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.6100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.196	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	3.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

ICA-8) K3.1T57H15.6.1F20TS40IG5.3.5

(TJF452) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.270	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOFB =	6.000	ELEVON =	.000
BOFLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF453) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.217	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

[illegible]

CA 9 - FORCE SOURCE DATA TABULATION

(TJF454) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.212	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOFB =	6.000	ELEVON =	.000
RDELAP =	-11.700		

RUN NO. 454/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF455) 1 07 JUN 76 1

PARAMETRIC DATA

ALPHAW =	8.189	RVNL =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	5.000	ELEVON =	.000
BOFLAP =	-11.700		

RUN NO. 455/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF456) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.141	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 456/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF457) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.130	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	.000
BDFLAP =	-11.700		

RUN NO. 457/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF458) (07 JUN 76)

PARAMETRIC DATA

ALPHAW *	.205	RN/L *	1.090
STAB *	-2.000	ELEVTR *	.000
IORB *	6.000	ELEVON *	-5.000
BDFLAP *	-11.700		

RUN NO. 458/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF459) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.216	PN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 459/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(TJF460) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 6.252 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 460/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.341	6.25222	35.24521	10.01430	.13989	.02392	.11268	.00590	.00209	.00310	.00000
.155	13.398	6.15819	35.50681	9.94088	.12747	.02299	.11459	.00129	.00186	.00273	.00000
.155	22.411	6.13738	35.23063	9.91311	.10090	.02138	.11593	-.00149	.00224	.00085	.00000
.154	38.309	6.11801	34.95895	9.86352	.09143	.02202	.12017	-.00715	.00178	-.00154	.00000
.155	53.886	6.07401	35.35699	9.81195	.09324	.02107	.12006	-.01059	.00143	-.00351	.00000
.155	64.452	6.20362	35.30743	9.92303	.09582	.02112	.12059	-.01220	.00130	-.00330	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(TJF461) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHA = 8.145 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 IORB = 6.000 ELEVON = -5.000
 BOFLAP = -11.700

RUN NO. 461/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.340	8.14494	34.96010	11.90738	.21802	.03379	.11347	.00582	.00136	.00191	.00000
.154	12.012	8.12785	35.15385	11.91138	.20972	.03242	.11371	.00581	.00134	.00175	.00000
.155	21.461	8.11872	35.16587	11.90339	.17401	.02952	.12097	-.00251	.00132	-.00002	.00000
.155	37.364	8.23907	35.42682	12.00926	.16673	.02907	.12573	-.00992	.00109	-.00206	.00000
.155	52.991	8.22085	35.30778	11.96331	.15812	.02864	.12706	-.01374	.00150	-.00294	.00000
.155	74.094	8.20037	35.17440	11.90339	.15895	.02852	.12809	-.01481	.00149	-.00310	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
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CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF462) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.097	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 462/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF463) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.112	RN/L =	1.090
STAS =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 463/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF464) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.        YMRP = .0000 IN.YO
BREF = 936.6800 IN.        ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	.156	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 464/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF465) (07 JUN 75)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	4.137	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IOPB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 465/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF465) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	6.138	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.790			

RUN NO. 466/ 0 BN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.341	6.13763	35.20423	9.89922	.11763	.C1886	.11616	.00265	.03100	.00446	.00000
.155	12.555	6.11759	35.25735	9.89922	.11551	.C1873	.11695	.00303	.00369	.00414	.00000
.155	21.686	6.14177	35.36765	9.92501	.09243	.C1754	.12238	-.00226	.00376	.00323	.00000
.155	37.540	6.12289	35.22358	9.89327	.09477	.C1671	.12568	-.00685	.00031	.00311	.00000
.155	53.195	6.17584	35.25080	9.92501	.07869	.C1698	.12734	-.01179	.00028	.00019	.00000
.155	63.673	6.17827	35.18393	9.91113	.08329	.C1726	.12792	-.01234	.00023	.00013	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.C0000	.00000	.00000	.00000	.00000	.00000

(TJF467) (07 JUN 75)

PARAMETRIC DATA

ALPHAW =	8.126	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BDELAP =	-11.700		

RUN NO. 467/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1T57H15.6.1F20T5401G5.3.5

(TJF468) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.114	RN/L =	1.090
STAB =	-2.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 468/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.327	10.11423	35.04264	13.88233	.27834	.04397	.12268	.01082	-.03222	.02550	.03000
.154	12.058	10.13001	35.07929	13.92461	.27340	.04341	.12531	.01034	-.03228	.02542	.03000
.154	20.974	10.12936	35.11743	13.92461	.23770	.03907	.13322	-.00185	-.00306	.00395	.00000
.155	37.333	10.13338	35.43861	13.91253	.21332	.03608	.13843	-.00812	.00038	.00175	.00000
.155	52.732	10.18426	35.33985	13.91266	.21117	.03624	.14083	-.01140	.00065	.00031	.00000
.155	84.371	10.25390	35.33045	13.94072	.20915	.03616	.14199	-.01041	.00055	.00052	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.03000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.E.1F20TS40IG5.3.5

(TJF469) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.137 RN/L = 1.090
STAB = -2.000 ELEVTP = .000
ICRB = 6.000 ELEVON = -5.000
BOFLAP = -11.700
```

RUN NO. 469/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF470) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	.211	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

FILE NO. 470/ 3 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(TJF471) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.154	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 471/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF472) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.134	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 472/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF473) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.145	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 473/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF474) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.110	RN/L =	1.090
STAB =	-4.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 474/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF475) (07 JUN 76)

PARAMETRIC DATA

```
ALPHAW = 12.143 RN/L = 1.090
STAB = -4.000 ELEVTR = .000
IORB = 6.000 ELEVON = -5.000
BDFLAP = -11.700
```

RUN NO. 475/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF476) (07 JUN 76)

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

ALPHA	=	.160	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 476/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF477) (07 JUN 76)

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

ALPHAW =	4.122	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORS =	6.000	ELEVGN =	-5.000
BDFLAP =	-11.700		

RUN NO. 477/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF478) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.123	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF479) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.107	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF480) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT      XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.        YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.        ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	10.145	RN/L =	1.090
STAB =	.000	ELEVTR =	.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 480/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1157H15.6.1F20TS401G5.3.5

(TJF481) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

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PARAMETRIC DATA

ALPHAW =	12.153	PN/L =	1.090
STAB =	.000	ELEVTR =	.000
IOFB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 481/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF484) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.140	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

[illegible]

(TJF485) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.130	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BCFLAP =	-11.700		

MACH	GP	ALPHA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.340	8.12951	34.97522	11.88541	.19352	.02798	.11693	.00770	.00063	.00450	-.01000
.155	12.350	8.10891	35.25090	11.88941	.18783	.02751	.11858	.00466	.00047	.00482	-.01000
.155	21.737	8.10975	35.31368	11.89739	.15745	.02489	.12541	-.00224	.00025	.00329	-.01000
.154	37.720	8.16539	34.97329	11.93135	.14957	.02477	.12942	-.00676	.00025	.00121	-.01000
.155	53.227	8.18391	35.31558	11.92935	.13957	.02401	.13198	-.01050	.00058	.00022	-.01000
.155	74.397	8.22550	35.27252	11.93335	.14256	.02441	.13433	-.01055	.00044	.00057	-.01000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

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(TJF486) (07 JUN 76)

PARAMETRIC DATA

ALPHA	=	10.130	RN/L	=	1.090
IORB	=	6.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

[illegible]

(TJF487) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.185	RN/L =	1.090
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(TJF488) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = .165 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IOR8 = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 488/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.155	11.277	.16590	35.27085	3.88768	-.07373	.01705	.10409	.00305	.00189	.00420	.00000
.154	14.404	.11680	35.09365	3.87104	-.08020	.01694	.10458	.00015	.00202	.00438	.00000
.154	24.489	.11492	34.94853	3.86418	-.07924	.01777	.10503	-.00558	.00125	.00188	.00000
.155	33.353	.14328	35.58258	3.89258	-.07849	.01774	.10645	-.01060	.00051	.00073	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K3.1TS7H15.6.1F20TS401G5.3.5

(TJF489) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

ALPHAH = 4.115 RN/L = 1.090
 STAB = -2.000 ELEVTR = 17.000
 IOR8 = 6.000 ELEVON = -5.000
 BDFLAP = -11.700

RUN NO. 489/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHAH	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.331	4.11466	35.15361	7.87778	.05321	.01407	.11094	.00129	.00118	.00378	.00000
.154	13.355	4.11240	35.13836	7.88765	.04763	.01353	.11259	.00134	.00127	.00326	.00000
.154	22.653	4.13697	34.91403	7.91132	.03479	.01378	.11563	-.00463	.00112	.00249	.00000
.154	38.786	4.15506	35.11812	7.91526	.02808	.01422	.11761	-.00955	.00022	.00048	.00000
.154	53.705	4.18163	35.18617	7.92316	.02601	.01368	.11900	-.01225	.00034	-.00003	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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(TJF490) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.174	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

(TJF491) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.145	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
IORB =	6.000	ELEVON =	-5.000
BDCLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1T57H15.6.1F20T540105.3.5

REFERENCE DATA

PARAMETRIC DATA

ALPHAW	10.122	RN/L	1.090
STAB	-2.000	ELEVTR	17.000
IORB	6.000	ELEVON	-5.000
BDFLAP	-11.700		

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF493) (07 JUN 76)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT      XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.         YMRP = .0000 IN.YO
BREF = 936.6800 IN.         ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

ALPHAW =	12.184	RN/L =	1.090
STAB =	-2.000	ELEVTR =	17.000
ICRB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1T57H15.6.1F20TS401Q5.3.5

(TJF494) (07 JUN 76)

PARAMETRIC DATA

ALPHAW *	.161	RN/L *	1.090
STAB *	-2.000	ELEVTR *	-23.000
IORB =	6.000	ELEVON *	-5.000
BOFLAP =	-11.700		

RUN NO. 494/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	GP	ALPHA	Q (PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL	BETA
.154	11.277	.16115	35.21277	3.87593	-.09423	.01497	.10449	-.00208	.00181	.00391	.00000
.154	13.665	.11911	35.14761	3.87006	-.08738	.01521	.10715	-.00039	.00187	.00378	.00000
.154	23.741	.14154	35.02593	3.89160	-.08781	.01540	.10679	-.00252	.00140	.00198	.00000
.154	32.617	.15496	35.10146	3.93335	-.09070	.01526	.10688	-.00878	.00043	.00125	.00000
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.00000	.00000	.00000	.00000

ICA-8) K3.1T57H15.6.1F20TS40IG5.3.5

(TJF495) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.131	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BOFLAP =	-11.700		

RUN NO. 495/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF498) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	10.133	RN:L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
TORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 498/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF499) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	12.146	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	6.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 499/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1T57H15.6.1F20TS401G5.3.5

(TJF503) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.117	RN/L =	1.090
STAB =	-2.000	ELEVTR =	-23.000
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 503/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1TS7H15.6.1F20TS40IG5.3.5

(TJF504) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	10.134	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 504/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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(TJF505) (07 JUN 76)

PARAMETRIC DATA

ALPHAW	=	12.118	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	-23.000
IORB	=	8.000	ELEVON	=	-5.000
BDFLAP	=	-11.700			

RUN NO. 505/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF506) (15 JUN 76)

PARAMETRIC DATA

ALPHAW =	.111	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700	GP =	11.000

RUN NO. 506/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF507) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	4.086	RN/L =	1.090
ICRB =	8.000	ELEVON =	-5.000
BDCLAP =	-11.700		

RUN NO. 507/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

CA-8 - FORCE SOURCE DATA TABULATION

(CA-8) K3.1TS7

F20TS401G5.3.5

(TJF508) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	6.138	RN/L =	1.090
IORB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 508/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K3.1T57

F20TS401G5.3.5

(TJF509) (07 JUN 76)

PARAMETRIC DATA

ALPHAW =	8.116	RN/L =	1.090
ICRB =	8.000	ELEVON =	-5.000
BDFLAP =	-11.700		

RUN NO. 509/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30G5.3.5TS2

(TJF510) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -6.000 ELEVTR = .000
 GP = 65.000

RUN NO. 510/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	.294	.00000	35.03235	13.97898	.27003	.04701	.14206	-.01124	.00036	.00069
.154	1.347	.00000	35.06984	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	2.327	.00000	35.17299	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	3.318	.00000	35.22056	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.285	.00000	35.20501	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	5.392	.00000	35.02038	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.367	.00000	35.02539	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.370	.00000	35.07919	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	8.361	.00000	35.16562	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.500	.00000	35.03036	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.524	.00000	35.27654	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	11.459	.00000	35.18047	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	12.488	.00000	35.19465	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.04993	.00000	.00000	.00000	-.00000	.00000	.00000	-.00000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30G5.3.5TS2

(TJF511) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 511/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAH	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.154	.340	.00000	35.05355	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	1.263	.00000	35.09389	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	2.383	.00000	35.09566	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	3.340	.00000	35.08749	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	4.373	.00000	35.12277	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	5.469	.00000	35.08103	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.358	.00000	35.12835	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.414	.00000	35.13169	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	8.489	.00000	35.06700	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.474	.00000	34.98798	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	10.453	.00000	35.05265	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.505	.00000	35.42344	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	12.499	.00000	35.10992	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.01293	.00000	-.00000	.00000	-.00000	.00000	.00000	-.00000

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30G5.3.5TS2

(TJF512) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -2.000 ELEVTR = .000
 GP = 65.000

RUN NO. 512/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA	CL	CD	CLM	CY	CLN	CSL
.154	.293	.00000	35.13202	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	1.317	.00000	35.20995	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	2.347	.00000	35.19541	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	3.300	.00000	35.13672	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	4.370	.00000	35.12491	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	5.419	.00000	35.12709	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.501	.00000	35.12081	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.388	.00000	35.17535	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.377	.00000	35.19780	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.399	.00000	35.09176	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	10.457	.00000	35.18469	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	11.456	.00000	35.18753	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.459	.00000	35.24396	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
GRADIENT		.00000	-.00847	.00000	.00000	.00000	-.00000	.00000	.00000	-.00000

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CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2

F30G5.3.5TS2

(TJF513) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 65.000

RUN NO. 513/ 0 FN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	.326	.00000	35.17659	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	1.341	.00000	35.09152	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	2.452	.00000	35.09557	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	3.303	.00000	35.16714	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	4.387	.00000	35.13430	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.361	.00000	35.22659	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.363	.00000	35.14498	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.357	.00000	35.15832	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.419	.00000	35.20236	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.417	.00000	35.12279	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.463	.00000	35.24695	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.473	.00000	35.18892	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.455	.00000	35.23947	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	-.67147	.00000	.00000	.00000	.00000	-.00000	.00000	.00000

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(TJF514) (07 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	-1.880	.00000	35.22724	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	.139	.00000	35.25887	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	4.187	.00000	35.03207	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.220	.00000	35.23642	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.242	.00000	35.24570	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.248	.00000	35.23131	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.267	.00000	35.15472	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.248	.00000	35.22562	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.300	.00000	35.16013	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	11.292	.00000	35.07180	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	12.337	.00000	35.07384	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	-.03559	-.00000	-.00000	.00000	.00000	-.00000	.00000	.00000

(TJF515) (07 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 87.000

[illegible]

DATE 06 JUL 76

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(CA-8) K1.2 TSI

(TJF516) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 45.000

RUN NO. 516/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	.146	.00000	35.19509	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	1.167	.00000	35.21609	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	2.172	.00000	35.26023	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	3.187	.00000	35.27707	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.185	.00000	35.31840	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.218	.00000	35.24356	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.224	.00000	35.18029	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.230	.00000	35.06847	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	8.265	.00000	35.12204	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.261	.00000	35.12985	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	10.299	.00000	35.11160	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.274	.00000	35.17074	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.320	.00000	35.21696	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.03045	.00000	-.00000	.00000	.00000	-.00000	.00000	-.00000

(TJF517) (07 JUN 76)

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	45.000			

[illegible]

(TJF518) (07 JUN 76)

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	67.000			

[illegible]

(CA-8) K1.2H15.1TS1

(TJF519) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT.   XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.      YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.      ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 519/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(CA-8) K1.2H15.1TS1

(TJF520) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.      YMRP = .0000 IN.YO
BREF = 936.6800 IN.      ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 520/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

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(CA-8) K1.2H15.1TS1

(TJF521) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 521/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.155	4.210	.00000	35.18620	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.199	.00000	35.20423	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.226	.00000	35.11639	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.238	.00000	35.16658	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.286	.00000	35.18774	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.262	.00000	35.14573	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	10.292	.00000	35.13113	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.297	.00000	35.20856	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.319	.00000	35.24397	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS1 (INVERTED)

(TJF522) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 522/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.154	3.030	.00000	34.89915	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.082	.00000	35.15230	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.069	.00000	35.12724	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.068	.00000	35.05611	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.076	.00000	34.94342	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.144	.00000	35.22451	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.151	.00000	35.14043	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.146	.00000	35.20270	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.158	.00000	35.20675	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.177	.00000	35.20213	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.24063	.00000	.00000	.00000	.00000	-.00000	.00000	.00000

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(TJF523) (07 JUN 76)

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	65.000			

MACH	ALPHA	BETA	Q (PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	3.014	.00000	35.11133	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.031	.00000	35.19226	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.068	.00000	35.06163	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.003	.00000	34.95552	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.035	.00000	34.88716	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.043	.00000	35.26617	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.030	.00000	35.24048	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.019	.00000	35.05571	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.144	.00000	35.06279	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.023	.00000	35.02057	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.07958	-.00000	-.00000	-.00000	.00000	.00000	-.00000	-.00000

(TJF524) (07 JUN 76)

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	87.000			

[illegible]

(CA-8) K1.2H15.1TS1 (INVERTED)

(TJF525) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.       YMRP = .0000 IN.YO
BREF = 936.6800 IN.       ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA	=	.030	RN/L	=	1.090
STAB	=	.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 525/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	Q(PSF)	ALPHAO	CL	CD	CLM	CY	CLN	CSL
.155	3.029	.03000	35.06263	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	3.906	.03000	34.94003	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.006	.03000	35.08018	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	6.000	.03000	34.91963	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.120	.04000	35.05382	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.035	.04000	35.26312	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.059	.04000	35.22068	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.113	.04000	35.18735	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.061	.04000	35.19712	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.129	.04000	35.15459	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	-.13980	.00000	-.00000	.00000	-.00000	.00000	.00000	.00000

(CA-8) K1.2 TS1 (INVERTED)

(TJF526) (07 JUN 76)

REFERENCE DATA

```

SREF = 2690.0000 SQ.FT.   XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.       YMRP = .0000 IN.YO
BREF = 936.6800 IN.       ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 45.000

RUN NO. 526/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.154	7.095	.00000	34.91459	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.105	.00000	35.03422	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.015	.00000	35.12950	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.083	.00000	35.08333	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.105	.00000	35.04669	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.080	.00000	35.08806	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	-.01124	.00036	.00068
								.00000	.00000	.00000

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(TJF527) (07 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 65.000

RUN NO. 527/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

(TJF528) (07 JUN 76)

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
GP = 87.000

RUN NO. 528/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

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(CA-8) K1.2 TS2F30 (INVERTED)

(TJF529) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 65.000

RUN NO. 529/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	3.198	.00000	35.04157	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.240	.00000	35.01809	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	5.261	.00000	34.95654	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.287	.00000	35.08374	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.274	.00000	35.04965	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.345	.00000	35.09540	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.233	.00000	35.15968	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.296	.00000	35.10115	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.269	.00000	35.08501	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.225	.00000	34.98990	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	-.02254	.00000	.00000	.00000	.00000	.00000	-.00000	.00000

(CA-8) K1.2 TS2F30 (INVERTED)

(TJF530) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 GP = 87.000

RUN NO. 530/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	.179	.00000	35.24062	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	1.135	.00000	34.90961	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	2.239	.00000	35.23468	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	3.161	.00000	35.22725	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.169	.00000	35.12281	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.319	.00000	35.11061	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.169	.00000	35.12980	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.300	.00000	35.02067	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.338	.00000	35.01705	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	9.300	.00000	34.89341	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.156	10.313	.00000	35.43446	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.339	.00000	35.21032	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.313	.00000	35.19335	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.00964	.00000	.00000	.00000	-.00000	.00000	.00000	-.00000

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(CA-8) K1.2H15.1T52F30 (INVERTED)

(TJF531) (07 JUN 76)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT.   XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.       YMRP = .0000 IN.YO
BREF = 936.6800 IN.       ZMRP = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	65.000			

RUN NO. 531/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	3.218	.00000	35.28066	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.134	.00000	35.20792	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.225	.00000	35.16632	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.319	.00000	35.11450	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	7.246	.00000	34.97325	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	8.156	.00000	34.95090	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.389	.00000	35.05263	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.242	.00000	35.02911	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	11.225	.00000	34.97616	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.326	.00000	35.01792	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	-.07941	.00000	.00000	.00000	.00000	-.00000	-.00000	.00000

(CA-8) K1.2H15.1TS2F30 (INVERTED)

(TJF532) (07 JUN 76)

REFERENCE DATA

```

SREF  = 2690.0000 SQ.FT.  XMRP  = 1109.0000 IN.XO
LREF  = 474.8100 IN.      YMRP  = .0000 IN.YO
BREF  = 936.6800 IN.      ZMRP  = 375.0000 IN.ZO
SCALE = .0405

```

PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	87.000			

RUN NO. 532/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

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(CA-8) K1.2H15.1TS2F30 (INVERTED)

(TJF533) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 65.000

RUN NO. 533/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	3.141	.00000	35.22581	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.206	.00000	34.98912	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.268	.00000	35.27457	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.257	.00000	35.14696	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.216	.00000	35.12172	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.313	.00000	35.07239	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.334	.00000	35.11475	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.338	.00000	35.01777	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.242	.00000	35.05386	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.256	.00000	34.99480	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	-.22224	.00000	.00000	.00000	.00000	.00000	.00000	.00000

(CA-8) K1.2H15.1TS2F30 (INVERTED)

(TJF534) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 87.000

RUN NO. 534/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.155	1.107	.00000	35.14962	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	1.181	.00000	34.94798	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	2.151	.00000	35.15066	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	3.231	.00000	35.07041	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.100	.00000	35.22284	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.250	.00000	35.20051	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.160	.00000	35.14401	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.241	.00000	35.15192	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.317	.00000	35.18438	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.299	.00000	35.08203	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.286	.00000	35.13787	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.354	.00000	35.10388	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.381	.00000	35.19240	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
	GRADIENT	.00000	.02513	.00000	.00000	.00000	.00000	.00000	.00000	.00000

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30TS4 (INVERTED)

(TJF535) (07 JUN 76)

REFERENCE DATA

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SREF = 2690.0000 SQ.FT.   XMRP = 1109.0000 IN.XO
LREF = 474.8100 IN.      YMRP = .0000 IN.YO
BREF = 936.6800 IN.      ZMRP = 375.0000 IN.ZO
SCALE = .0405

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PARAMETRIC DATA

BETA	=	.000	RN/L	=	1.090
STAB	=	-2.000	ELEVTR	=	.000
GP	=	87.000			

RUN NO. 535/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

[illegible]

DATE 06 JUL 76

CA-8 - FORCE SOURCE DATA TABULATION

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(CA-8) K1.2H15.6.1F30TS4 (INVERTED)

(TJF536) (07 JUN 76)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN.XO
 LREF = 474.8100 IN. YMRP = .0000 IN.YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN.ZO
 SCALE = .0405

PARAMETRIC DATA

BETA = .000 RN/L = 1.090
 STAB = -4.000 ELEVTR = .000
 GP = 87.000

RUN NO. 536/ 0 RN/L = .00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	Q(PSF)	ALPHA0	CL	CD	CLM	CY	CLN	CSL
.156	.129	.00000	35.50093	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	1.132	.00000	35.00890	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.154	2.079	.00000	34.91749	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	3.277	.00000	34.98807	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	4.145	.00000	35.14371	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	5.168	.00000	35.10215	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	6.245	.00000	35.03547	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	7.212	.00000	35.15631	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	8.181	.00000	35.15103	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	9.238	.00000	35.08341	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	10.335	.00000	35.06642	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	11.257	.00000	34.99908	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
.155	12.262	.00000	35.10191	13.97898	.27003	.04701	.14206	-.01124	.00036	.00068
GRADIENT		.00000	-.07167	.00000	-.00000	.00000	-.00000	.00000	.00000	-.00000